

## **Instructions for Schedule for Changes Affecting Multiple Call Signs or File Numbers Form FCC 605 Schedule A**

Form FCC 605 Schedule A, is a supplementary schedule for use with the FCC Quick-Form Application for Authorization in the Ship, Aircraft, Amateur, Restricted and Commercial Operator, and General Mobile Radio Services. Use this schedule when requesting changes that affect multiple call signs or file numbers. Schedule A is not used with initial applications. Complete this schedule to submit global changes to items on the FCC 605 Main Form that affect either multiple call signs or multiple file numbers, depending on the Application Purpose entered for Item 2 of that form. Note the following:

*Multiple File Numbers may be affected by these purposes:* Amendment or Withdrawal of Application

*Multiple Call Signs may be affected by these purposes:* Modification, Renewal Only, Renewal/Modification, Cancellation of License, Duplicate License, or Administrative Update

Each Schedule A or groups of Schedule A filed with the FCC 605 Main Form must use the same purpose, and only one purpose can be specified per submission.

**Market/Channel Block**

1) Market Designator	2) Market Name	3) Channel Block	4) Sub-Market Designator

**Certifications**

**For Applicants Claiming Eligibility as an Entrepreneur Under the General Rule**

Applicant certifies that they are eligible to obtain the licenses for which they apply.

**For Applicants Claiming Eligibility as a Publicly Traded Corporation**

Applicant certifies that they are eligible to obtain the licenses for which they apply and that they comply with the definition of a Publicly Traded Corporation, as set out in the applicable FCC rules.

**For Applicants Claiming Eligibility using a Control Group Structure**

Applicant certifies that they are eligible to obtain the licenses for which they apply.

Applicant certifies that the applicant's sole control group member is a pre-existing entity, if applicable.

**For Applicants Claiming Eligibility as a Very Small Business, Very Small Business Consortium, Small Business, or as a Small Business Consortium**

Applicant certifies that they are eligible to obtain the licenses for which they apply.

Applicant certifies that the applicant's sole control group member is a pre-existing entity, if applicable.

**For Applicants Claiming Eligibility as a Rural Telephone Company**

Applicant certifies that they meet the definition of a Rural Telephone Company as set out in the applicable FCC rules, and must disclose all parties to agreement(s) to partition licenses won in this auction. See applicable FCC rules.

## Information and Instructions

# Wireless Telecommunications Bureau Schedule for Fixed Station Locations and Antenna Structures

Form FCC 601, Schedule D, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. This schedule is used to supply technical information for fixed transmit station locations, including antenna structures. It is also used by geographic licensees (all radio services, except microwave) to apply for a site-specific authorization to fulfill international coordination requirements or environmental assessment requirements. File as many schedules as necessary to describe all fixed station locations, including antenna structures, in your application. The FCC 601 Main Form must be filed in conjunction with this schedule. This schedule is used in conjunction with the following technical data schedules:

**Note:** When required, antenna structures must be registered using FCC Form 854. The use of this form to supply antenna structure information does not replace the requirement to register antenna structures on the FCC Form 854. For more information, see our web site at <http://www.fcc.gov/wtb/antenna>, call the National Call Center at 1-888-CALL-FCC (225-5322), or e-mail questions to [FCCITD@fcc.gov](mailto:FCCITD@fcc.gov).

FCC 601, Schedule F - Technical Data Schedule for the Cellular and Air-ground (Commercial Aviation) Radiotelephone Services (Part 22)

FCC 601, Schedule G - Technical Data Schedule for the Maritime and Aviation Services (Parts 80 and 87)

FCC 601, Schedule H - Technical Data Schedule for the Private Land Mobile and Broadcast Auxiliary Land Mobile Radio Services (Parts 90 and 74)

FCC 601, Schedule J - Technical Data Schedule for the Paging, Rural, Air-ground (General Aviation), and Offshore Radiotelephone Services (Part 22)

It is recommended that Schedule D be completed prior to completing any required technical data schedules.

If you are applying for authorization of a mobile station operating around a fixed location, you must also file FCC 601, Schedule E, Schedule for Mobile, Temporary Fixed, and 6.1 Meter Control Station Locations. It is also recommended that you complete Schedule D prior to completing Schedule E.

**Note:** Some services have specific requirements and/or restrictions for some of the items on this schedule. Please refer to the instructions of the appropriate technical data schedule for service specific response requirements and restrictions.

## Schedule D Instructions

This schedule must be completed only when a fixed station location is to be added, modified, or deleted. Schedule D contains 2 sections, each of which contains Items 1 through 17. Each section identifies one fixed station location. Use as many copies of Schedule D as necessary to provide information for all fixed stations.

If you are adding a new fixed station location, complete all required items in a section for each fixed station location being added.

If you are modifying a fixed station location, in addition to Items 1, 2, and 4 (provide the seven digit antenna structure registration number), complete only the items that have changed for each fixed station location. If the modification involves technical data filed on one of accompanying FCC Technical Data Service Schedules F, G, H, or J, or involves the relocation of a fixed station, then Items 16 and 17 (if required) must also be completed.

If you are deleting a fixed station location, only Items 1 and 2 are required. If a fixed station location is deleted, the frequency, emission, and all related technical data that is linked to the fixed station location will automatically be deleted and will no longer be part of your authorization. Therefore, it is not necessary to complete the complementary technical data service schedule to delete frequency and emissions when a fixed station location is deleted using this schedule.

Fixed station locations that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested.

**Item 1** This item must be completed. It indicates the action the applicant wants the FCC to take on the specified location. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 2** This item must be completed. If the fixed station location has been previously licensed under this call sign by the FCC, enter its FCC-assigned location number (located on the Authorization). For a new fixed station location, assign a temporary code to represent the fixed station location. The assigned code should begin with F to indicate it is a fixed location and end with a number to uniquely identify it (e.g., F1, F2, F3, etc.). The FCC will assign an official number to the new station, which will appear on the Authorization.

If a mobile station is operating around this fixed station location, also complete and attach Schedule E (Schedule for Mobile, Temporary Fixed, and 6.1 Meter Control Station Locations), entering the fixed location number into Schedule E Item 3.

**Item 3** This item only requires completion if the response to Item 1 is 'A' or 'M'. If Commission's rules recognize Primary and Secondary protection in conjunction with other fixed site facilities in the service, enter 'P' if you wish primary protection for the site or 'S' if you wish no protection for the site. If Commission's rules do not recognize Primary and Secondary protection in conjunction with other fixed site facilities in the service, Item 3 can be left blank. Refer to the applicable Commission's rules for your service for more information on Primary and Secondary protection.

**Item 4** This item is required if the action requested in Item 1 is 'A' or 'M'. If antenna structure registration is required, enter the seven digit FCC Antenna Structure Registration Number (shown on the structure's registration, FCC Form 854R). Otherwise, enter N/A (FAA notification is not required).

**Note:** Effective 7/1/96 the Commission requires owners to register certain structures. When required, antenna structures must be registered using FCC Form 854. The use of this FCC Form 601 to supply antenna structure information does not replace the requirement to register antenna structures on the FCC Form 854. For more information, see our web site at <http://www.fcc.gov/wtb/antenna>, call the National Call Center at 1-888-CALL-FCC (225-5322), or e-mail questions to [FCCITD@fcc.gov](mailto:FCCITD@fcc.gov).

**Items 5 and 6** Respond to this item only if you indicated N/A in Item 4. Enter the geographic coordinates of the location, referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Note:** Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (i.e., NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://www.fcc.gov/wtb/uls/nadcon.html>.

Enter the latitude using the format *DD-MM-SS*, where the degrees (*DD*) term can have a value in the range of 0 to 90, minutes (*MM*) can range from 0 to 59, and seconds (*SS*) can range from 0 to 59.9. If desired, seconds may be expressed to the nearest tenth of a second (in which case, use the format *DD-MM-SS.S*). In the lower right corner, specify the direction as either N for North or S for South.

Enter the longitude using the format *DDD-MM-SS*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS*) can range from 0 to 59.9. If desired, seconds may be expressed to the nearest tenth of a second (in which case, use the format *DDD-MM-SS.S*). In the lower right corner, specify the direction as either E for East or W for West.

**Items 7-10** Respond to this item only if you indicated N/A in Item 4. These items identify the location by its address or, if there is no address, by a brief specific geographic description of the location, such as distance and direction from known landmarks (e.g., '5 km S of Anytown, Adams County, NY'). P.O. Box numbers or geographic coordinates are not acceptable for Item 7. For rural or unincorporated areas, enter the nearest city or town to the transmitter antenna location for Item 8. Enter the county in Item 9 and the state in Item 10. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Item 11** Respond to this item only if you indicated N/A in Item 4. Enter the elevation above mean sea level (AMSL) of the ground at the antenna location. Enter this item in meters, rounded to the nearest tenth. Refer to letter 'a' in the antenna structure figure examples at the end of the Form FCC 601 Schedule D instructions. This information can be determined in many ways, including a GPS receiver, 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Item 12** Respond to this item only if you indicated N/A in Item 4. Enter the code for the type of structure on which the antenna is or will be mounted from the following valid structure types:

<u>Code</u>	<u>Definition</u>
B	Building with a side mounted antenna
BANT	Building with Antenna on Top
BMAST	Building with Mast/Antenna on Top
BPIPE	Building with Pipe/Antenna on Top
BPOLE	Building with Pole/Antenna on Top
BRIDG	Bridge
BTWR	Building with Tower/Antenna on Top
MAST	Self-Support Structure
NNTANN*	Antenna Tower Array
NTOWER**	Multiple Structures
POLE	Any Type of Pole, used only to mount an antenna
TANK	Any Type of Tank (Water, Gas, etc.)
RIG	Oil or Other Type of Rig
SILO	Any Type of Silo
STACK	Smoke Stack
TOWER	A Free Standing Guyed Structure Used for Communications Purposes
TREE	When Used as a Support for an Antenna
UPOLE	Utility Pole/Tower Used to Provide Service (Electric, Telephone, etc.)

\* Valid Tower Arrays. Code definition: The first NN indicates the number of structures in an array. The second NN is optional and indicates the position of that antenna structure in the array (Ex.: 3TA2 would identify the second structure in a three structure array).

\*\* Valid Multiple Structures. Code Definition: The N indicates the number of structures in a multiple structure (Ex.: 2TOWER, 3TANK, 4TREE, 6BANT, 7BMAST).

**Item 13** Applicable to Aviation Services (Part 87) only. Enter the three or four character code assigned to the airport (if applicable).

**Item 14** Respond to this item only if you indicated N/A in Item 4. Enter the height above ground level to the highest point of the **supporting structure only**. Enter this item in meters, rounded to the nearest tenth. For example, if the antenna structure consists of a building/tower combination, include any elevator shaft, flag pole, or penthouse in the overall support structure height, but not the antenna, tower, pole, or mast. If the antenna structure is a tower only, include the height of the tower but not the antenna. Refer to letter 'b' in the antenna structure figure examples at the end of the Form FCC 601 Schedule D instructions.

**Item 15** Respond to this item only if you indicated N/A in Item 4. Enter the overall height above ground level of the entire antenna structure to the highest point, including any appurtenances. Enter this item in meters, rounded to the nearest tenth. You must include antennas, dishes, obstruction lighting, etc. Refer to letter 'c' in the antenna structure figure examples at the end of the Form FCC 601 Schedule D instructions.

**Item 16** This item is required for compliance with the National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321-4335. See also Part 1, Subpart I of the FCC rules (47 CFR 1.1301 - 1.1319). This item must be answered, either 'Y' or 'N'.

Enter 'Y' if an FCC grant of this application will have a significant environmental effect. Section 1.1307 of the FCC rules lists categories of environmental effects for which applicants must file an environment assessment. Otherwise enter 'N'. Examples of facilities that may have a significant effect on the environment include:

An antenna structure located in a residential area (as defined by applicable zoning laws) that will utilize high intensity aviation obstruction lighting

A facility located in an officially designated wilderness area, wildlife preserve, or floodplain

**Information and Instructions**

## **Wireless Telecommunications Bureau Schedule for Mobile, Temporary Fixed, and 6.1 Meter Control Station Locations**

Form FCC 601, Schedule E, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. This schedule is used to supply technical information for mobile transmit locations, temporary fixed stations, itinerant stations, and 6.1 meter control stations. File as many schedules as needed to describe all mobile transmit locations, temporary fixed stations, itinerant stations, and 6.1 meter control stations included in your application. The FCC 601 Main Form must be filed in conjunction with this schedule. This schedule is used in conjunction with the following technical data schedules:

FCC 601, Schedule G - Technical Data Schedule for the Maritime and Aviation Services (Parts 80 and 87)

FCC 601, Schedule H - Technical Data Schedule for the Private Land Mobile and Broadcast Auxiliary Land Mobile Radio Services (Parts 90 and 74)

FCC 601, Schedule J - Technical Data Schedule for the Paging, Rural, Air-ground (General Aviation), and Offshore Radiotelephone Services (Part 22)

It is recommended that Schedule E be completed prior to completing any required technical data schedules.

If you are applying for authorization of a mobile station operating around a fixed location, you must also file FCC 601, Schedule D, Schedule for Fixed Station Locations and Antenna Structures. It is also recommended that you complete Schedule D prior to completing Schedule E.

**Note:** Some services have specific requirements and/or restrictions for some of the items on this schedule. Please refer to the instructions of the appropriate technical data schedule for service specific response requirements and restrictions.

### **Schedule E Instructions**

This schedule must be completed only when a mobile transmit station, temporary fixed station, itinerant station, or 6.1 meter control station is to be added, modified, or deleted. Schedule E contains 2 sections, each of which contains Items 1 through 18. Each section identifies one mobile transmit location, temporary fixed station, itinerant station, or 6.1 meter control station. File as many copies of Schedule E as necessary to describe all mobile transmit locations, temporary fixed stations, itinerant stations, or 6.1 meter control stations.

If you are adding a new mobile station, temporary fixed station, itinerant station, or 6.1 meter control station, complete all items in a section for each station to be added. If the modification involves technical data filed on one of accompanying FCC Technical Data Service Schedules G, H, or J, or involves the relocation of a control station, then Items 17 and 18 (if required) must also be completed.

If you are modifying a station, in addition to Items 1, and 2, complete only the items that have changed for each station.

If you are deleting a station, only Items 1 and 2 are required. If a station is deleted, the frequency and emission data that is linked to the station will automatically be deleted and will no longer be part of your authorization. Therefore, it is not necessary to complete the complementary technical data service schedule to delete frequency and emissions when a station is deleted using this schedule.

Mobile transmit locations, temporary fixed stations, itinerant stations, and 6.1 meter control stations that are currently licensed under this call sign by the FCC will continue to be shown on the authorization as is, unless a specific action is requested.

**Item 1** This item must be completed. It indicates the action the applicant wants the FCC to take on the specified location. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 2** If the location has been previously licensed under this call sign by the FCC, enter the FCC-assigned location number (located on the Authorization). For a new mobile transmit station, temporary fixed station, itinerant station, or 6.1 meter control station, assign a temporary code to represent the location. The assigned code should begin with M to indicate it is a mobile location and end with a number to uniquely identify it (e.g., M1, M2, M3, etc.). The FCC will assign an official number to the new station, which will appear on the Authorization.

**Item 3** Respond to this item only if the mobile station for which you are applying is operating around a fixed location entered on FCC 601, Schedule D. Enter the fixed location number from Item 2 of Schedule D into Item 3 of this schedule. Also enter 'A' as the Area of Operation Code in Item 4 of this schedule.

**Item 4** Enter the appropriate area of operation code using the table below. Additional Schedule E fields must be completed according to the area of operation code chosen. Refer to the table to determine which additional fields are required on Schedule E for the chosen area of operation code. Only one area of operation code may be selected for each mobile location.

**Note:** If area operation will cover multiple counties, use area of operation code 'O' and specify all applicable counties in Item 15.

#### Area of Operation Codes and Required Data Values

Code	Description	Additional Schedule I Data Elements Required for each Area of Operation Code	Item Numbers
A	KMRA* around a Fixed location listed on Schedule D (option not available to Maritime or Aviation Services)	Temporary Fixed or Mobile Radius, Fixed Location Number	5, 3
P	KMRA* around a Centerpoint	Temporary Fixed or Mobile Radius, Latitude, Longitude, City*, County**, State**	5, 7, 8, 11, 12, 13
R	Rectangular Area of Operation	Latitude, Longitude, Maximum Latitude, Maximum Longitude	7, 8, 9, 10
N	Nationwide including Hawaii Alaska & US Territories		
U	Continental US		
C	County Wide Area of Operation	County, State	12, 13
S	Statewide Area of Operation	State	13
O	Other - Narrative	Description	15
X	Land Mobile Control Station Meeting the 6.1 Meter Rule	State	13

\*Kilometers Radius

\*\* Complete as applicable - refer to instructions for applicability.

**Item 5** Complete this item for temporary or mobile stations where the area of operation will be defined as a radius around a specified set of coordinates. If 'A', or 'P' was entered for Item 4, enter the radius in this item. Enter in kilometers, rounded to the nearest tenth.

**Item 6** Used for Aviation services only. Enter the three or four character code assigned to the airport (if applicable).

**Items 7 and 8** If 'P' was entered in Item 4, enter the geographic coordinates (latitude and longitude) of the location. If 'R' was entered in Item 4, enter the minimum geographic coordinates of the rectangular area or box.

Coordinates entered must be referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Note:** Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (i.e., NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://www.fcc.gov/wtb/uls/nadcon.html>.

Enter the latitude using the format DD-MM-SS, where the degrees (DD) term can have a value in the range of 0 to 90, minutes (MM) can range from 0 to 59, and seconds (SS) can range from 0 to 59.9. If desired, seconds may be expressed to the nearest tenth of a second (in which case, use the format DD-MM-SS.S). In the lower right corner, specify the direction as either 'N' for North or 'S' for South.

Enter the longitude using the format *DDD-MM-SS*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS*) can range from 0 to 59.9. If desired, seconds may be expressed to the nearest tenth of a second (in which case, use the format *DDD-MM-SS.S*). In the lower right corner, specify the direction as either 'E' for East or 'W' for West.

**Items 9 and 10** These items are to be completed for operations that are defined by a rectangular area or box coordinates. If code 'R' was entered in Item 4, enter the maximum geographic coordinates (latitude and longitude) in Items 9 and 10.

Coordinates entered must be referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Note:** Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (*i.e.*, NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://www.fcc.gov/wtb/uls/nadcon.html>.

Enter the latitude using the format *DD-MM-SS*, where the degrees (*DD*) term can have a value in the range of 0 to 90, minutes (*MM*) can range from 0 to 59, and seconds (*SS*) can range from 0 to 59.9. If desired, seconds may be expressed to the nearest tenth of a second (in which case, use the format *DD-MM-SS.S*). In the lower right corner, specify the direction as either 'N' for North or 'S' for South.

Enter the longitude using the format *DDD-MM-SS*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS*) can range from 0 to 59.9. If desired, seconds may be expressed to the nearest tenth of a second (in which case, use the format *DDD-MM-SS.S*). In the lower right corner, specify the direction as either 'E' for East or 'W' for West.

**Items 11** If 'P' was entered in Item 4, enter the city or town name of the location in this item. This item is required only if Item 12 is blank.

**Items 12** If 'P' or 'C' was entered in Item 4, enter the county of the location in this item. This item is always required for area of operation code 'C'. This item is also required for area of operation code 'P' except when: (a) the city entered in Item 11 is an independent city that is not affiliated with a county (*i.e.*, Baltimore, MD), or (b) the state entered in Item 13 does not have counties (*i.e.*, Alaska, Virgin Islands).

**Items 13** If 'P', 'C', 'S', or 'X' was entered in Item 4, enter the state of the location in this item (if 'X' was entered in Item 4, enter the state of the primary control station). Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Item 14** This item helps the FCC to determine if it will initiate coordination procedures with the Government of Canada. If any part of the mobile location is North of Line A, enter 'Y' in the appropriate field. If any part of the mobile location is East of Line C (applies to stations located in Alaska only), enter 'Y' in the appropriate field. In the event the applicant needs to submit additional information regarding coordination of a channel assignment with the Government of Canada, this should be attached as an exhibit which references Schedule E Item 14. If 'N' is entered for both questions, the FCC will not initiate coordination procedures with the Government of Canada and your area of operation will be excluded from these border areas. Refer to Section 1.955 of the Commission's rules for a detailed explanation of Lines A and C. Appendix I in FCC Form 601 Main Form Instructions contains a list of counties, by state, having areas North of Line A.

**Item 15** If the response to Item 4 was 'O', enter a description of the area of operation. P.O. Box numbers or geographic coordinates are not acceptable for Item 15. The use of Other-Narrative should only be used if the area of operation cannot be described by using one of the other codes. Area of operation provided as Other-Narrative may delay processing of the application.

**Item 16** This item does not apply to Land Mobile (public or private) or Broadcast Auxiliary Land Mobile Radio Services. Enter the number of units for each type listed: Hand Held, Mobile, Temporary Fixed, Aircraft, and Itinerant. For paging systems (Part 22), provide the number of subscribers (in mobiles) along with the number of temporary fixed transmitters.

**Item 17** This item is required for compliance with the National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321-4335. See also Part 1, Subpart I of the FCC rules (47 CFR 1.1301 - 1.1319). This item must be answered, either 'Y' or 'N'.

Enter 'Y' if an FCC grant of this application will have a significant environmental effect. Section 1.1307 of the FCC rules lists categories of environmental effects for which applicants must file an environment assessment. Otherwise enter 'N'. Examples of facilities that may have a significant effect on the environment include:

An antenna structure located in a residential area (as defined by applicable zoning laws) that will utilize high intensity aviation obstruction lighting



A facility located in an officially designated wilderness area, wildlife preserve, or floodplain

A facility that affects a site significant in American history

A facility whose construction involves extensive changes in surface features

Facilities, operations, or transmitters that would cause human exposure to levels of radio frequency radiation in excess of the limits as detailed in § 1.1310 and 2.109 of the Commission's rules.

**Item 18.** This item should only be completed for control stations. Applicants for control stations located in one of the quiet zones listed below, must notify the proper authority.

1. National Radio Astronomy Observatory, Green Bank, Pocahontas County, West Virginia. The quiet zone is located within Virginia, West Virginia, and Garrett County, Maryland and bounded by 39 degrees 15' N on the north, 78 degrees 30' W on the east, 37 degrees 30' N on the south, and 80 degrees 30' W on the west. Contact the National Radio Astronomy Observatory, P.O. Box 2, Green Bank, West Virginia 24944.

2. Arecibo Observatory, Puerto Rico. The quiet zone consists of the islands of Puerto Rico, Desecheo, Mona, Vieques, and Culebra. Contact the Interference Office, Arecibo Observatory, Post Office Box 995, Arecibo, Puerto Rico 00613. Applicants for stations located in this quiet zone must indicate, in its application, the date such notification was sent.

**Wireless Telecommunications Services Schedule for  
Mobile, Temporary Fixed, and 6.1 Meter Control Station Locations**

Approved by OMB  
3060 - 0798  
See 601 Main Form Instructions  
for public burden estimate

1) Action Requested: (    ) <u>Add</u> <u>Mod</u> <u>Del</u>		2) Mobile Location Number:	3) Fixed Location Number:
4) Area of Operation Code:	5) Temporary Fixed or Mobile Radius (km):		6) Airport Identifier:
7) Latitude (DD-MM-SS.S): <div style="text-align: right;">NAD83 (    ) <u>N</u> or <u>S</u></div>		8) Longitude (DDD-MM-SS.S): <div style="text-align: right;">NAD83 (    ) <u>E</u> or <u>W</u></div>	
9) Maximum Latitude (DD-MM-SS.S): Use for rectangle only <div style="text-align: right;">NAD83 (    ) <u>N</u> or <u>S</u></div>		10) Maximum Longitude (DDD-MM-SS.S): Use for rectangle only <div style="text-align: right;">NAD83 (    ) <u>E</u> or <u>W</u></div>	
11) City:	12) County:		13) State:
14) Is any part of your operation North of Line A? (    ) <u>Yes</u> <u>No</u> Is any part of your operation East of Line C? (    ) <u>Yes</u> <u>No</u>			
15) Description: (only for Area of Operation Code 'O')			
16) Number of Units: <u>      </u> Hand Held <u>      </u> Mobile <u>      </u> Temporary Fixed <u>      </u> Aircraft <u>      </u> Itinerant			
17) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311.        (    ) <u>Yes</u> <u>No</u>			
18) If the proposed site is located in one of the quiet zones listed in Item 18 of the Instructions, provide the date the proper authority was notified:			

1) Action Requested: (    ) <u>Add</u> <u>Mod</u> <u>Del</u>		2) Mobile Location Number:	3) Fixed Location Number:
4) Area of Operation Code:	5) Temporary Fixed or Mobile Radius (km):		6) Airport Identifier:
7) Latitude (DD-MM-SS.S): <div style="text-align: right;">NAD83 (    ) <u>N</u> or <u>S</u></div>		8) Longitude (DDD-MM-SS.S): <div style="text-align: right;">NAD83 (    ) <u>E</u> or <u>W</u></div>	
9) Maximum Latitude (DD-MM-SS.S): Use for rectangle only <div style="text-align: right;">NAD83 (    ) <u>N</u> or <u>S</u></div>		10) Maximum Longitude (DDD-MM-SS.S): Use for rectangle only <div style="text-align: right;">NAD83 (    ) <u>E</u> or <u>W</u></div>	
11) City:	12) County:		13) State:
14) Is any part of your operation North of Line A? (    ) <u>Yes</u> <u>No</u> Is any part of your operation East of Line C? (    ) <u>Yes</u> <u>No</u>			
15) Description: (only for Area of Operation Code 'O')			
16) Number of Units: <u>      </u> Hand Held <u>      </u> Mobile <u>      </u> Temporary Fixed <u>      </u> Aircraft <u>      </u> Itinerant			
17) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311.        (    ) <u>Yes</u> <u>No</u>			
18) If the proposed site is located in one of the quiet zones listed in Item 18 of the Instructions, provide the date the proper authority was notified:			

## Information and Instructions

# Technical Data Schedule for the Cellular and Air-ground (Commercial Aviation) Radiotelephone Services (Part 22)

Form FCC 601, Schedule F, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. This schedule is used to apply for an authorization to operate a radio station, amend a pending application, or modify an existing license in the Cellular Radiotelephone and Commercial Air-ground Radiotelephone Services. Additionally, this schedule is used by auction winners that must file site-specific technical data for international coordination or for an environmental assessment of a particular site. The FCC 601 Main Form must be filed in conjunction with this schedule.

You must file technical information for each location and antenna structure using FCC 601, Schedule D, Schedule for Fixed Station Locations and Antenna Structures. It is recommended that you complete Schedule D prior to completing Schedule F.

## Schedule F Instructions

### •Cellular Unserved Area Information

**Item 1** If this is a 'New' application for Cellular Radiotelephone Services, indicate whether the application is for a Phase I Cellular unserved area or a Phase II Cellular unserved area, as defined by 47 CFR Section 22.949. If the application is for a Phase I Cellular unserved area, complete Items 2 through 5 as applicable (one row only). If the application is for a Phase II Cellular unserved area, complete Items 2 through 5, as many rows as applicable. If this application is for a new license won in an FCC auction, do not file FCC 601 Schedule F. Instead, file Form FCC 601 Schedule B along with the FCC 601 Main Form.

**Item 2** Enter the market(s) of the unserved area. If this application is for a Phase I cellular unserved area, list the market in which the unserved area is located. If this application is for Phase II Cellular unserved areas, list the markets contained within the proposed Service Area Boundaries. Market designators are listed in the FCC Public Notices. Only one Cellular Geographic Service Area (CGSA) may be listed on an application.

**Item 3** Enter the market name of the market designator listed in Item 2.

**Item 4** Enter the sub-market designator only if the market has been subdivided. Sub-market designators are listed in the FCC Public Notices.

**Item 5** Enter the applicable channel block, either 'A' or 'B'.

### •Cellular System Identification Numbers (SIDs)

If the application request is for a new cellular license (or system), the FCC will provide a system identification number at the time of the license grant. Therefore, this section must be completed only when a request is made to add or delete system identification numbers. If this is a request for a new system identification number, rather than a request to use a system identification number presently assigned to another cellular system, complete item 6. If this is a request to add a system identification number presently assigned to another cellular system or delete a system identification number, complete items 7 and 8. System identification numbers that are currently licensed under this call sign by the FCC will continue to be shown on the authorization as is, unless a specific action is requested in this section.

### Generate New System Identification Numbers

**Item 6** If this is a request to generate new systems identification numbers (system identification numbers that are not presently assigned to another cellular system), enter the number (count) of new systems identification numbers requested. Also attach an exhibit explaining the circumstances and use of the requested system identification numbers.

### **Add/Delete System Identification Numbers**

**Item 7** This item indicates the action the filer wants the FCC to take in the database on the specified system identification number. Enter 'A' for Add, or 'D' for Delete.

**Item 8** Enter the system identification number to be either added or deleted. If the system identification number to be added was originally assigned by the FCC to another cellular system, an attachment is required indicating concurrence of the licensee of the other system for use of the assigned system identification number. Refer to 47 CFR Section 22.941 for more information on system identification numbers.

### **►Control Points**

This section must be completed only when a control point is to be added, modified, or deleted. If you are adding a new control point, complete all items in this section for each control point to be added. If you are modifying an existing control point, in addition to Items 9 and 10, complete only the items that have changed for each control point. If you are deleting a control point, only Items 9 and 10 are required. Control Points that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 9** This item indicates the action the filer wants the FCC to take on the specified control point. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 10** If the control point has been previously licensed under this call sign by the FCC, enter its FCC-assigned control point number (located on the Authorization). For a new control point, assign a temporary code to represent the control point. The assigned code should begin with C to indicate it is a control point and end with a number to uniquely identify it (e.g., C1, C2, C3, etc.). The FCC will assign an official number to the new control point, which will appear on the Authorization.

**Item 11** Enter the street address, city or town, county, and state of the control point. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Item 12** Enter the telephone number, including area code, where a person responsible for operation of the station or system could be reached.

### **► Commercial Aviation Air-ground Technical Parameters (Antenna Data)**

This section must be completed by Commercial Air-ground applicants when antennas are to be added, modified, or deleted. If you are adding new antennas, complete all items in this section for each antenna to be added. If you are modifying an existing antenna, in addition to Items 13, 15, and 16, complete only the items that have changed for each antenna. If you are deleting antennas, only Items 13, 15, and 16 are required. Technical parameters currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 13** This item indicates the action the filer wants the FCC to take on the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 14** Enter the channel block of the requested ground station (1-10). Refer to the Commission's rules for Commercial Aviation Air-ground Radiotelephone Services for more information on channel blocks and their assigned frequencies.

**Item 15** For each antenna structure, enter its corresponding location number, as entered on Schedule D Item 2. If the location has been previously licensed under this call sign by the FCC, enter the FCC-assigned location number (located on the Authorization). Otherwise, enter the code assigned on Schedule D to represent the location. Refer to the instructions for Schedule D for more information on assigning location numbers.

**Item 16** If the antenna has been previously licensed with the Commission, enter the antenna's FCC-assigned number (located on the Authorization). Otherwise, enter a temporary code to represent each antenna. The assigned code should begin with an A to indicate it is an antenna and end with a number to uniquely identify it (e.g., A1, A2, A3, etc.). A single location can have multiple antennas. Antenna numbers need only be unique within each location. The FCC will assign an official number to the new antenna, which will appear on the Authorization.

**Item 17** This item reports the actual height at which the antenna is mounted. Enter this item in meters, rounded to the nearest tenth.

**Item 18** This item reports the maximum effective radiated power (ERP) of the facility in any direction on the specified channel. The value must be stated in watts.

## ►Cellular Radial Data

This section must be completed by cellular applicants when adding a new location, modifying the radial data for an existing location, or amending the radial data proposed in a pending application. If you are adding a new location, complete all items in this section. If you are modifying existing radial data or amending a pending application, complete Items 19, 20, 21, and only those items that you are proposing to change. Radial data currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

Applicants must propose one set of radial data for each antenna used at a location. If a sectorized antenna system (i.e. multiple antennas) is to be used, you may submit separate radial data for each of the antenna sectors, or alternatively submit one set of radial data representing the composite antenna pattern for the sector antennas. If separate antenna systems are used for the control channels and voice channels, submit the radial data for the antenna system that establishes the largest service area boundary (SAB).

**Item 19** This item indicates the action the filer wants the FCC to take on the radial data of the specified antenna. Enter 'A' for Add or 'M' for Modify.

**Item 20** For each antenna structure, enter its corresponding location number, as entered on Schedule D Item 2. If the location has been previously licensed under this call sign by the FCC, enter the FCC-assigned location number (located on the Authorization). Otherwise, enter the code assigned on Schedule D to represent the location. Refer to the instructions for Schedule D for more information on assigning location numbers.

**Item 21** If the antenna has been previously licensed with the Commission, enter the antenna's FCC-assigned number (located on the Authorization). Otherwise, enter a temporary code to represent each antenna. The assigned code should begin with an A to indicate it is an antenna and end with a number to uniquely identify it (e.g., A1, A2, A3, etc.). A single location can have multiple antennas. Antenna numbers need only be unique within each location. The FCC will assign an official number to the new antenna, which will appear on the Authorization. Sectorized antenna systems represented with a composite antenna pattern and single set of radial data, should be reported as a single antenna.

**Item 22** If this location contributes to the CGSA, and you are requesting that the CGSA boundary be determined using an alternative method, enter 'Y'. Otherwise enter 'N'. If you respond Yes to this item, you must attach an exhibit explaining the circumstances

**Item 23** This item reports the height of the antenna center of radiation above the average terrain elevation (AAT) along each of the eight cardinal radials. Enter this item in meters, rounded to the nearest tenth.

**Item 24** This item reports, in watts, the effective radiated power (ERP) along each of the eight cardinal radial directions.

**Item 25** This item reports the distance to the Cellular Geographic Service Area (CGSA) produced from the specified antenna. This item should only be reported for those radials that establish the CGSA boundary. Therefore, some azimuths may not have entries. Enter this item in kilometers rounded to the nearest tenth.

## ►Certification

By signing the FCC 601 Main Form, Cellular applicants certify compliance with this item and 47 CFR § 22.913.

Technical Data Schedule for the  
Cellular and Air-ground (Commercial Aviation)  
Radiotelephone Services (Part 22)

Cellular Unserved Area Information

1) Identify whether this is a New application for a Phase I unserved area or a Phase II unserved area as defined by 47 CFR Section 22.949(a). If so, complete Items 2 through 5, as applicable.				( ) Phase I ( ) Phase II
2) Market Designator	3) Market Name	4) Sub-Market Designator	5) Channel Block	

Cellular System Identification Numbers

Generate New System Identification Numbers

6) If this is a request to generate new system identification numbers, enter the number of new system identification numbers requested: _____ Also attach an exhibit explaining the circumstances and use of the requested system identification numbers.
--

Add/Delete System Identification Numbers

7) Action A/D	8) SID	7) Action A/D	8) SID

Control Points

9) Action A/M/D	10) Control Point Number	11) Location Street Address, City or Town, County, State	12) Telephone Number

### Commercial Air-ground Technical Parameters (Antenna Data)

[illegible]

**Cellular Radial Data**

19) Action: (     ) <u>Add</u> <u>Modify</u>	20) Location Number:	21) Antenna Number:
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22) If this location contributes to the CGSA, are you requesting that the CGSA boundary be determined using an alternative method? If 'Yes', attach an exhibit explaining circumstances.	(     ) <u>Yes</u> <u>No</u>
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Azimuth (degrees from true north)	23) Antenna Height AAT (meters)	24) Transmitting ERP (watts)	25) Distance to CGSA (kilometers)
0°			
45°			
90°			
135°			
180°			
225°			
270°			
315°			

19) Action: (     ) <u>Add</u> <u>Modify</u>	20) Location Number:	21) Antenna Number:
--	----------------------	---------------------

22) If this location contributes to the CGSA, are you requesting that the CGSA boundary be determined using an alternative method? If 'Yes', attach an exhibit explaining circumstances.	(     ) <u>Yes</u> <u>No</u>
--	------------------------------

Azimuth (degrees from true north)	23) Antenna Height AAT (meters)	24) Transmitting ERP (watts)	25) Distance to CGSA (kilometers)
0°			
45°			
90°			
135°			
180°			
225°			
270°			
315°			

I certify that (1) the maximum ERP for the proposed cellular base or repeater station will never exceed 500 Watts and (2) if the distance to the SAB as calculated in accordance with 47 CFR § 22.911 exceeds 79.1 km (45 miles) [Gulf of Mexico MSA] or 40.2 km (25 miles) [all other cellular markets], I have coordinated such use with the licensees of all affected cellular systems on the same channel block within 121 km (75 miles) and concurrence has been obtained from each licensee.



Information and Instructions

## Technical Data Schedule for the Maritime and Aviation Services (Parts 80 and 87)

Form FCC 601, Schedule G, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. This schedule is used to apply for an authorization to operate a land station in the Maritime Service or a ground station in the Aviation Service, as defined in 47 CFR, Part 80 or Part 87, respectively. It is also used to amend a pending application or modify an existing license in these services. Additionally, this schedule is used by auction winners that must file site-specific technical data for international coordination or for an environmental assessment of a particular site. The FCC 601 Main Form must be filed in conjunction with this schedule. The FCC 601 Main Form must be filed in conjunction with this schedule.

If you are applying for authorization of fixed transmit station locations, you must file technical information for each location, including the antenna structures, using FCC 601, Schedule D, Schedule for Fixed Station Locations and Antenna Structures. It is recommended that you complete Schedule D (if required) prior to completing Schedule G.

If you are applying for authorization of hand held units/mobile transmit locations, temporary fixed station locations, or itinerant stations, you must file technical information for each location or station using FCC 601, Schedule E, Schedule for Mobile, Temporary Fixed, and 6.1 Meter Control Station Locations. It is recommended that you complete Schedule E (if required) prior to completing Schedule G.

The following instructions apply when filing Schedules D or E in tandem with this schedule:

Maritime coast and aviation ground stations may not submit both schedules D and E in the same application package (one application package being an FCC 601 Main Form and any associated schedules). Separate application packages must be submitted for fixed and mobile operations.

Schedule E Item 3 This item does not apply to Maritime Private Coast and Aviation Ground stations.

Schedule E Item 16 Each mobile location can contain only one occurrence of a unit type. For example, if a number of units is entered for 'Hand Held', then all other unit types should be blank. 'Hand Held', 'Mobile', and 'Temporary Fixed' unit types are applicable to any Maritime and Aviation service. 'Aircraft' and 'Itinerant' choices are only applicable to flight test stations.

### Schedule G Instructions

#### ► Station Class

Item 1 Enter the appropriate station class code from one of the following tables. There are separate tables for Maritime Service and Aviation Service Stations.

**For Maritime Service**, select the station class code from the following table:

Alaska Private .....	APX
Alaska Public .....	APC
Marine OPS Fixed .....	MFX
Marine Utility .....	FCU
Maritime Receiver Test .....	MRT
Maritime Support-Testing and Training .....	FCA
Private Coast .....	FCL
Public Coast .....	FC
Shore Radionavigation .....	MSR
Shore Radionavigation/RACON .....	RLR
Shore Radar Test .....	MSC
Shore Radiolocation Test .....	RLC

**Note:** Where appropriate, follow each code with 1 for Hand Held/Mobile operations or 2 for Temporary operations.

For Aviation Service, select the station class code from the following tables:

**AF Service**

Aeronautical Advisory (Unicom) .....	FAA
Aeronautical Enroute .....	FA
Aeronautical Fixed .....	AX
Aeronautical Multicom .....	MFL
Aircraft (Flight Test Stations only) .....	FMA
Airport Control Tower or RCO .....	FAC
Automatic Weather Observation .....	FAB
Aviation Support Instructional .....	FAS
Aviation Support Service .....	FLU
Flight Test .....	FAT

**AA Service**

Aeronautical Search and Rescue .....	SAR
Aeronautical Utility Mobile .....	MOU
Operational Fixed .....	AOX

**AR Service**

Aeronautical Marker Beacon .....	RLA
Aeronautical Radio Beacon .....	RLB
ELT Test .....	ELT
Glide Path (Slope) .....	RLG
Localizer .....	RLL
Omnidirectional Radio Range .....	RLO
Radar/Radar Test .....	RLD
Radionavigation Land .....	RNV
Radionavigation Land Test .....	RLT

**Note:** Where appropriate, follow each code with 1 for Mobile operations, 2 for Temporary operations, or (for flight test stations only) 3 for Itinerant operations.

**Item 2** This item must be answered 'Y' for Yes for the following station classes:

Aeronautical Advisory  
Aeronautical Enroute/Fixed  
Airport Control Tower Stations

For all other station classes, answer this item 'N' for No.

**Item 3** This item must be answered by all applicants for public coast and Alaska public fixed stations. Otherwise, leave this item blank.

**•Control Points**

This section must be completed only when a control point is to be added, modified, or deleted. If you are adding a new control point, complete all items in this section for each control point to be added. If you are modifying an existing control point, in addition to Items 4 and 5, complete only the items that have changed for each control point. If you are deleting a control point, only Items 4 and 5 are required. Control points that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 4** This item indicates the action the filer wants the FCC to take on the specified control point. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 5** Enter the FCC-assigned control point number (located on the Authorization). For a new control point, assign a temporary code to represent the control point. The assigned code should begin with C to indicate it as a control point and end with a number to uniquely identify it (e.g., C1, C2, C3, etc.). The FCC will assign an official number to the control point, which will appear on the Authorization.

**Item 6** Enter the street address, city or town, county, and state of the control point. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Item 7** Enter the telephone number (including area code) where a person responsible for operation of the station or systems could be reached.

## •Antenna Information

This section must be completed only when antennas are to be added, modified, or deleted. If you are adding a new antenna, complete all items for each antenna to be added. If you are modifying an existing antenna, in addition to Items 8, 9, and 10, complete only the items for the antenna that have changed. If you are deleting an antenna, only Items 8, 9, and 10 are required. Antennas that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 8** This item indicates the action the filer wants the FCC to take on the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 9** For each antenna, enter its corresponding location number, as entered on Schedule D Item 2 or Schedule E Item 2. If the location has been previously licensed under this call sign by the FCC, enter the FCC-assigned location number (located on the Authorization). Otherwise, enter the code assigned on Schedule D or Schedule E to represent the location. Refer to the instructions for Schedules D and E for more information on assigning location numbers.

**Item 10** If the antenna has been previously licensed under this call sign by the FCC, enter the antenna's FCC-assigned number (located on the Authorization). Otherwise, enter a temporary code to represent each antenna. The assigned code should begin with an A to indicate it is an antenna and end with a number to uniquely identify it (e.g., A1, A2, A3, etc.). A single location can have multiple antennas. Antenna numbers need only be unique within each location. The FCC will assign the new antenna an official number, which will appear on the Authorization. If using hand held transmitters, consider all hand held transmitters at a given location to be one antenna.

**Note:** Location number (Item 9) and antenna number (Item 10) are used to associate information in the Antenna Information Section with information in the Frequency Information Section. To do this, enter the necessary information into the Antenna Information Section using the appropriate location number and antenna number. Then, enter the necessary information in the Frequency Information Section for that antenna, using the same location number/antenna number pair. Each antenna specified must have corresponding frequency information.

**Item 11** Enter the ratio (decibels) of the power required at the input of a loss-free reference antenna to the power supplied to the input of the given antenna to produce, in a given direction, the same field strength or the same power-flux density at the same distance. This information should be available from the specification sheet included with the antenna at the time of purchase.

**Item 12** Enter the angle in the horizontal plane of the transmitting antenna main lobe measured clockwise with respect to True North in degrees, or enter '360' to indicate that the transmitting antenna is omni-directional.

**Item 13** Enter the actual height from the ground to the tip of the antenna. Enter this item in meters, rounded to the nearest tenth.

**Item 14** Enter the approximate attenuation, including any padding, to the nearest tenth of a dB, between the point at which the power output of the transmitter is measured for type-acceptance/notification approval and the input to the antenna. If this value is less than 1 dB, leave this item blank. For power splits, the power reduction for a particular path will be considered the loss.

**Item 15** Enter the Half Power Beamwidth (Aeronautical Enroute HF and Public Coast HF stations only).

**Item 16** Enter the Receive Zone (Aeronautical Enroute HF and Public Coast HF stations only).

## •Frequency Information

This section must be completed only when frequencies are to be added, modified, or deleted. If you are adding new frequencies, complete all items for each frequency to be added. If you are modifying existing attributes of frequencies, complete all items for each frequency to be modified. If you are deleting frequencies, only Items 17 through 20 are required. Frequencies that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Note:** If station class FAC (for Airport Control Tower/RCO station) was entered in Item 1, complete Items 17, 18, 19, 20b, 20c, 21, 22, and 24 on page 4 of this schedule. All station classes except FAC complete Items 17, 18, 19, 20a, 21, 22, 23, and 24 on page 3 of this schedule. For multiple frequency lines, repeat the location number/antenna number combination for each frequency. For example:

Location	Antenna	Frequency	Location	Antenna	Frequency (MHz)
F1	A1	XXXXX.XXXX	F1	A2	BBBBB.BBBB
F1	A1	YYYYY.YYYY	F2	A1	CCCCC.CCCC
F1	A2	AAAAA.AAAA	F2	A1	DDDDD.DDDD

**Item 17** This item indicates the action the filer wants the FCC to take on the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 18** For each antenna structure, enter its corresponding location number, as entered in Item 9 of the Antenna Information Section of this schedule.

**Item 19** For each antenna, enter its corresponding antenna number, as entered in Item 10 of the Antenna Information Section of this schedule.

**Item 20a (All station classes except Airport Control Tower/FAC)** Enter the specific frequencies in Megahertz (MHz) in the 'Lower' column. The requested frequencies must be available in the Commission's rules governing the radio service in which you are seeking eligibility. If applying for a single-sideband frequency, show carrier frequency only. If applying for a frequency band, show the lower and upper frequencies in the appropriate columns. Use a separate line for each frequency or frequency band. For Aviation Ground Radionavigation (Nav aids) or Automatic Weather Observation/Automatic Surface Observation stations: if frequency is not known, you may leave Item 20a blank. Items 21 and 22 must be completed.

If multiple frequencies are being added to one location, complete as many lines as necessary, repeating the location number in Item 18 and the antenna number in Item 19 for each frequency added. A separate line needs to be completed for each frequency if there are multiple emissions, multiple antenna tips, multiple station classes, etc. To do this, complete as many lines for each frequency as necessary, repeating the location number in Item 18, the antenna number in Item 19, the frequency in Item 20a, and the remaining technical information for each frequency line, as appropriate.

**Item 20b (Station Class Airport Control Tower/FAC only)** Enter the specific frequencies in Megahertz (MHz), if known. The requested frequencies must be available in the Commission's rules governing the radio service in which you are seeking eligibility. Use a separate line for each frequency.

If multiple frequencies are being added to one location, complete as many lines as necessary, repeating the location number in Item 18 and the antenna number in Item 19 for each frequency added. A separate line needs to be completed for each frequency if there are multiple emissions, multiple antenna tips, multiple station classes, etc. To do this, complete as many lines as for each frequency as necessary, repeating the location number in Item 18, the antenna number in Item 19, the frequency in Item 20b, and the remaining technical information for each frequency line, as appropriate.

**Item 20c (Station Class FAC only)** Enter one of the following frequency type codes for each requested frequency:

- L** Local Control
- G** Ground Control
- E** Emergency (121.5 MHz) - List this frequency only if you wish to transmit on the frequency 121.5 MHz. Do not list the frequency if you intend to monitor only. If you wish to be exempt from the monitoring requirement, you must submit your exemption request as an attachment to this form.
- O** Other - Use this code for ATIS (Automatic Terminal Information Service) and any other frequency not defined above.

If a Local Control, Ground Control, or Other frequency has not yet been reserved by FAA, you may leave Item 20b blank. However, you must complete a line for each requested frequency (Items 17, 18, 19, 20c, 21, 22, 23).

**Item 21** Enter the maximum transmitter output power in watts.

**Item 22** Enter the Proposed Hours of Operation (Public Coast, Public Fixed, and Airport Control Tower stations only).

**Item 23** Enter the Operational Altitude (Aeronautical Enroute VHF stations only).

**Item 24** Enter the emission designator for each station. The new ITU (International Telecommunications Union) emission designators may be used in place of the old designators. The following are samples of the corresponding new ITU designators for the most commonly used emission designators.

**Note:** These are samples only and do not necessarily represent an emission for which you should apply.

	Old	New
Frequency modulated (FM) voice	16F3	16K0F3E
Frequency modulated (FM) voice	13.6F3	13K6F3E
Frequency modulated digitized voice	20F3Y	20K0F1E
Frequency modulated digitized non-voice	20F9Y	20K0F1D
Amplitude modulated single sideband voice	2.8A3J	2K80J3E
Amplitude modulated (AM) voice	6A3	6K00A3E

Information and Instructions

## Technical Data Schedule for the Private Land Mobile and Land Mobile Broadcast Auxiliary Radio Services (Parts 90 and 74)

FCC Form 601, Schedule H, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. This schedule is used to apply for an authorization to operate a radio station in the Private Land Mobile and Land Mobile Broadcast Auxiliary Radio Services, as defined in 47 CFR, Parts 90 and 74. It is also used to amend a pending application or modify an existing license in these services. Additionally, this schedule is used by auction winners that must file site-specific technical data for international coordination or for an environmental assessment of a particular site. The FCC 601 Main Form must be filed in conjunction with this schedule.

If you are applying for authorization of fixed transmit station locations, you must file technical information for each location, including the antenna structures, using FCC 601, Schedule D, Schedule for Fixed Station Locations and Antenna Structures. It is recommended that you complete Schedule D (if required) prior to completing Schedule H.

If you are applying for authorization of mobile transmit locations, temporary fixed station locations, or 6.1 meter control stations, you must file technical information for each location or station using FCC 601, Schedule E, Schedule for Mobile, Temporary Fixed, and 6.1 Meter Control Station Locations. It is recommended that you complete Schedule E (if required) prior to completing Schedule H.

If you are applying for authorization of a mobile station operating around a fixed location, you must file both Schedule D and Schedule E. Technical information for each schedule must be collected separately. The fixed location value entered in Item 2 on Schedule D must also be entered in Item 3 on Schedule E. It is recommended that you complete Schedules D and E (if required) prior to completing Schedule H.

### Schedule H Instructions

#### ►Eligibility

Item 1 Enter the number and paragraph of the FCC Rule Section that describes the eligibility for the radio service you specified in Item 1 of the FCC 601 Main Form.

#### ►Frequency Coordinator Information

Item 2 Enter 'Yes' if frequency coordination has been completed for this application. Otherwise enter 'No'.

Items 3, 4, 5 These items will be completed by the appropriate certified frequency coordinators for those applicants who are required to comply with the frequency coordination requirements. Broadcast Auxiliary Applicants who have notified their local frequency coordination committee should enter the name of the frequency coordinator and the telephone number, including area code, of the person contacted (Item 4 can be left blank).

#### ►Associated Call Signs

Item 6 List any call signs that are part of the system and licensed separately.

### ►Control Points

This section must be completed only when a control point is to be added, modified, or deleted. If you are adding a new control point, complete all items in this section for each control point to be added. If you are modifying a control point, in addition to Items 7 and 8, complete only the items that have changed for each control point. If you are deleting a control point, only Items 7 and 8 are required. Control points that are currently licensed under this call sign by the FCC will continue to be shown on the authorization as is, unless a specific action is requested in this section.

**Item 7** This item indicates the action the filer wants the FCC to take on the specified control point. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 8** Enter the FCC-assigned control point number (located on the Authorization). For a new control point, assign a temporary code to represent the control point. The assigned code should begin with C to indicate it as a control point and end with a number to uniquely identify it (e.g., C1, C2, C3, etc.). The FCC will assign an official number to the new control point, which will appear on the Authorization.

**Item 9** Enter the street address, city or town, county, and state of the control point. Refer to FCC Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Item 10** Enter the telephone number (including area code) where a person responsible for operation of the control point could be reached.

### ►Broadcast Auxiliary Only

**Item 11** This item applies only to the Land Mobile Broadcast Auxiliary Radio services. If there is an associated parent station, enter the facility identification number of the parent station, the class of the parent station (i.e., AM, FM, or TV), and the city and state of the parent station principal community. If there is no associated parent station, enter the appropriate code for the applicant and the state of primary operation.

### ►Antenna Information

This section must be completed only when antenna information is to be added, modified, or deleted. If you are adding a new antenna, complete all items for each antenna to be added. If you are modifying an existing antenna, in addition to Items 12, 13, and 14, complete only the items that have changed for the antenna. If you are deleting an antenna, only Items 12, 13, and 14 are required. Antennas that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 12** This item indicates the action the filer wants the FCC to take on the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 13** For each antenna, enter its corresponding location number, as entered on Schedule D Item 2 or Schedule E Item 2. If the location has been previously licensed under this call sign by the FCC, enter the FCC-assigned location number (located on the Authorization). Otherwise, enter the code assigned on Schedule D or Schedule E to represent the location. Refer to the instructions for Schedules D and E for more information on assigning location numbers.

**Item 14** If the antenna has been previously licensed under this call sign by the FCC, enter the antenna's FCC-assigned number (located on the Authorization). Otherwise, enter a temporary code to represent each antenna. The assigned code should begin with an A to indicate it is an antenna and end with a number to uniquely identify it (e.g., A1, A2, A3). A single location can have multiple antennas. Antenna numbers need only be unique within each location. The FCC will assign an official number to the new antenna, which will appear on the Authorization.

**Note:** Location number (Item 13) and antenna number (Item 14) are used to associate information in the Antenna Information Section with information in the Frequency Information Section. To do this, enter the necessary technical information into the Antenna Information Section using the appropriate location number and antenna number. Then, enter the necessary technical information in Frequency Information Section for that antenna, using the same location number/antenna number pair. Each antenna specified in the Frequency Information Section must have corresponding data in the Antenna Information Section.

**Item 15** This is not required for Land Mobile Broadcast Auxiliary Radio Services. For operations in 150-174 MHz, 220-222 MHz, 450-470 MHz, and above 470 MHz, enter the height of the antenna above ground elevation for the average terrain. Enter this item in meters, rounded to the nearest tenth. See the applicable rules for instructions for computing the height above average terrain for the antenna. Applicants applying on frequencies not mentioned in this paragraph may omit this item.

**Item 16** Enter the height above ground level to the center of the antenna's radiating element. Enter this item in meters, rounded to the nearest tenth.

### ► Frequency Information

This section must be completed only when frequencies are to be added, modified, or deleted. If you are adding a new frequency, complete all items for each frequency to be added. If you are modifying attributes of an existing frequency, in addition to Items 17 through 20, complete only the items that have changed for the frequency. If you are deleting a frequency, only Items 17 through 20 are required. Frequencies that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

Enter frequency information for each antenna specified in the Antenna Information Section. For multiple frequency lines, repeat the location number/antenna number combination for each frequency. For example:

<u>Location</u>	<u>Antenna</u>	<u>Frequency (MHz)</u>
F1	A1	XXX.XXXX
F1	A1	YYY.YYYY
F1	A1	ZZZ.ZZZZ
F1	A2	AAA.AAAA
F1	A2	BBBBB.BBBB
F2	A1	CCCCC.CCCC
F2	A1	DDDDD.DDDD

**Item 17** This item indicates the action the filer wants the FCC to take on the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 18** For each antenna, enter its corresponding location number, as entered in Item 13 of the Antenna Information Section of this Schedule.

**Item 19** For each antenna, enter its corresponding antenna number, as entered in Item 14 of the Antenna Information Section of this Schedule.

**Item 20** Enter the specific frequencies in Megahertz. The requested frequencies must be available in the Commission's rules governing the radio service in which you are seeking eligibility. Use a separate line for each frequency (the exceptions being that 800 MHz SMR mobile and control stations are now designated by frequency range 806-821 and 900 MHz SMR mobile and control stations are now designated by frequency range 896-901). Low Power Broadcast Auxiliary applicants should refer to Rule Section 74.802 for a complete and accurate listing of the acceptable frequency ranges.

**Note:** If you are required to complete the Additional Technical Information Section, location number (Item 13) and frequency (Item 14) are used to associate information in the Technical Information Section with data in the Additional Technical Information Section. To do this, enter information into the Technical Information Section using the appropriate location number and frequency. Then enter information in the Additional Technical Information Section for that frequency, using the same location number and frequency.

**Item 21** Enter the appropriate station class code from the following table. Definitions for most of these items are listed in the Commission's rules.

**Note:** Where appropriate, follow each code with 'T' for Temporary, 'I' for Itinerant, 'S' for Standby, 'C' for Interconnect, 'J' for Temporary Interconnect, 'K' for Standby Interconnect, or 'L' for Itinerant Interconnect. For example, FBT means Temporary Base.

Base .....	FB
Mobile Relay .....	FB2
Community Repeater .....	FB4
Private Carrier (Profit) .....	FB6
Private Carrier (Nonprofit) .....	FB7
Control .....	FX1*

Mobile .....	MO
Mobile/Vehicular Repeater .....	MO3
Private Carrier Mobile Operation (Profit) .....	MO6
Private Carrier Mobile Operation (Non-profit) .....	MO7
Operational Fixed .....	FXO
Fixed Relay .....	FX2
Fixed .....	FX**
Radiolocation Land .....	LR
Radiolocation Weather Radar .....	WDX
Radiolocation Mobile .....	MR
Secondary Fixed Signaling .....	FX3

\*Station associated with a mobile relay that employs the same frequency as the associated mobile station for control purposes.

\*\*Station operating on frequencies available for fixed use for control purposes in accordance with applicable rules.

**Item 22** Enter the number of actual transmitting units at each station.

Normally, only one transmitter (base, mobile, relay, etc.) is associated with station classes that indicate operation at a permanent/fixed location. Therefore, for these station classes, the number 1 should usually be entered. However, if more than one transmitter is placed at the same location, then enter the appropriate number.

For transmitters associated with station classes that indicate mobile operation, enter the total number of mobile units. The total number of mobile units is normally the sum of vehicular, portable, aircraft, and marine units that will be placed in operation at the time of grant plus the units for which purchase orders have been signed and will be in use prior to the end of the stations construction period. Some exceptions are provided for in the rules, which should be noted.

**Note:** Paging receivers should not be counted as mobile units. These receivers should be listed separately in Item 23 of this Schedule H.

**Item 23** Enter the number of paging receivers in this system.

**Item 24** Enter the emission designator for each station. Normally, land mobile operations are intended to provide voice communications. The new ITU (International Telecommunications Union) emission designators **must** be used in place of the old designators. The following provides samples of the corresponding new ITU designators for the most commonly used emission designators. These are samples only and do not necessarily represent an emission for which you should apply.

	Old	New
Frequency modulated (FM) voice	20F3	20K0F3E
Frequency modulated (FM) voice	13.6F3	13K6F3E
Frequency modulated digitized voice	20F3Y	20K0F1E
Frequency modulated digitized non-voice	20F9Y	20K0F1D
Amplitude modulated single sideband voice	3A3J	3K00J3E
Amplitude modulated (AM) voice	8A3	8K00A3E
Frequency modulated voice (12.5 KHz channel)		11K3F3E

**Item 25** When operating with single sideband (A3J or new designator J3E) emission, enter the peak envelope power (watts), followed by the letter X, which represents peak envelope power in accordance with Appendix 1 of the ITU Radio Regulations. For operations using the emission designators NON, A1A, A2D, A3E, A9W, F1B, F2D, F3E, and F9W – enter the mean RF output power (watts) normally supplied by the transmitter to the antenna feedline. (See the applicable rules.)

**Note:** The power entered should be the minimum required for satisfactory operations.

**Item 26** This information is required for operations above 10 MHz from applicants requesting new station authorizations and for major modifications as described in the applicable rules.

Enter the effective radiated power (ERP). The ERP is the transmitted output power times the net gain of the antenna system. This is the gain of the antenna minus the transmission losses, which include losses attributable to the transmission line, duplexers, cavity filters, and isolators. The actual formula is:

ERP (watts) equals Power (watts) times Antilog of (net gain in dB divided by 10)



## ►Additional Technical Information

All Remote Pick Up Broadcast Auxiliary Radio Service fixed location stations and all stations proposing to operate on frequencies below 27.5 MHz **Must** complete this section if the filing is for a new Authorization or if a modification or deletion of the existing Additional Antenna Information needs to be reported. Failure to do so will result in the return of your application without further action. Land Mobile stations located near international borders that seek protection from interference should also complete this section if you believe that the assumptions listed below in the International Registration Information Section would leave your station insufficiently protected internationally. If so, provide the actual data on which interference protection should be based. If you do not provide the actual data and an interference problem arises involving another country's station, your station will be protected only to the limit of the FCC's assumptions. This is especially important for stations proposed to be operated in any of the counties listed in Appendix I of the FCC 601 Main Form instructions.

This section must be completed only when additional technical information is to be added, modified, or deleted. If you are adding a new additional technical information, complete all items for each set of additional technical information to be added. If you are modifying additional technical information, in addition to Items 27 through 30, complete only the items that have changed for the additional technical information. If you are deleting additional technical information, only Items 27 through 30 are required. Technical information that is currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 27** This item indicates the action the filer wants the FCC to take on the specified technical information for the frequency. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 28** For each frequency, enter its corresponding location number, as entered in Item 20 of this schedule.

**Item 29** For each frequency, enter its corresponding antenna number, as entered in Item 21 of this schedule.

**Item 30** Enter the specific frequencies in Megahertz. The requested frequencies must be available in the Commission's rules governing the radio service in which you are seeking a license. Use a separate line for each frequency (the exceptions being that 800 MHz SMRS mobile and control stations are now designated by frequency range 806-821 and 900 MHz SMR mobile and control stations are now designated by frequency range 896-901). Low Power Broadcast Auxiliary applicants should refer to Rule Section 74.802 for a complete and accurate listing of the acceptable frequency ranges.

**Item 31** Enter the angle in the horizontal plane of the transmitting antenna main lobe measured clockwise with respect to True North (degrees) or enter 360 to indicate the transmitting antenna is omni-directional.

**Item 32** For directional antennas, enter the total angle (degrees) measured horizontally in a plane containing the direction of maximum radiation within which the power radiated in any direction does not fall more than 3 dB below the power radiated in the direction of maximum radiation. This information should be available from the specification sheet included with the antenna at time of purchase.

**Item 33** Enter one of the following code letters to represent the polarization of the transmitting antenna for those circuits above 27.5 MHz:

- E – Elliptical
- F – 45 degrees
- H – Horizontal
- J – Linear
- L – Left-hand circular
- R – Right-hand circular
- S – Horizontal and vertical
- T – Right and left-hand circular
- V – Vertical
- X – Other (provide a description)

**Item 34** Enter the ratio (decibels) of the power required at the input of a loss-free reference antenna to the power supplied to the input of the given antenna to produce, in a given direction, the same field strength or the same power flux-density at the same distance. This information should be available from the specification sheet included with the antenna at time of purchase.

## International Registration Information

As a signatory party to international treaty agreements, the FCC performs certain actions regarding the use of radio. The technical details of your station parameters may be reported to the International Telecommunications Union, Geneva, Switzerland, and to countries which border on or in close proximity to the United States. This information along with data reported by other nations will be used to protect reported stations and aid in resolution of interference disputes between licensees in different countries.

Certain stations, because of their geographic location, would be best protected by provision of additional information. Specifically, this includes any proposed station which is located in the region north of Line 'A', or in the State of Alaska east of Line 'C'. Refer to the Commission's rules for a detailed explanation of Lines A and C. Appendix I in FCC Form 601 Main Form Instructions contains a list of counties, by state, having areas North of Line A. If the desired station is to operate in the 806-821/851-866, 821-824/866-869, 896-901/935-940 MHz bands, please consult the applicable rules for available frequencies and use near the United States/Canada/Mexico borders.

**Note:** For control stations meeting the 6.1 meter (20 foot) criteria that require greater than 5 watts output power/ERP for operations in regions north of Line 'A' or in Alaska east of Line 'C', complete Form FCC 601 Schedule D, as applicable, and Items 12 through through 25 of this Schedule H.

Unless advised to the contrary, the FCC will make certain assumptions which reflect the typical station in these services. Carefully review the list below with respect to your particular situation. If you believe that these assumptions would leave your station insufficiently protected, provide the correct data in the Additional Technical Information Section of this Schedule H. If you do not provide the actual data and an interference problem arises involving another country's station, your station will be protected only to the limit of the FCC's assumptions.

**The following station parameters will be assumed unless otherwise stated:**

- Item 31 **Antenna Azimuth of Main Lobe.** The FCC will report each base or mobile relay station as having an omnidirectional (360°) azimuth. It will also be assumed that each control station associated with a mobile relay station has a directional antenna with its azimuth of maximum radiation directed toward the mobile relay station.
- Item 32 **Beamwidth.** Where an omnidirectional antenna is assumed, beamwidth has no relevance, and therefore, no assumed value will be used. For control stations we will assume 20°.
- Item 33 **Antenna Polarization.** All stations will be reported as having antennas with vertical polarization.
- Item 34 **Antenna Gain.** The antenna gain for all stations will be assumed to be 6 dB.

**Class of Operation for HF Fixed Stations.** All HF Fixed applicants must file using the Additional Technical Information Section of this schedule. Therefore, no assumptions will be made.

**Receiver Information.** All stations specified on the same application form are assumed to be communicating with each other as a system. Receivers will be assumed to operate at the same location as the transmitter. In other words, it is assumed that the receiver site for a mobile station transmission is the location of the associated base station. The receiver site for a base station transmission is assumed to be the area of operation of the associated mobile stations. For a control station transmission, it is assumed that the location of the associated mobile relay station is the location of the receiver.

**Control stations** meeting the 6.1 meter (20 foot) criteria that are operating in the region north of Line 'A' or in Alaska east of Line 'C' will not be coordinated unless FCC 601 Schedule D is completed as applicable, along with Items 12 through through 25 of this Schedule H. The ERP will be limited to 5 watts if the fixed location is not provided for controls meeting the 6.1 meter (20 foot) criteria operating in these areas.

Technical Data Schedule for the  
Private Land Mobile and Land Mobile Broadcast Auxiliary  
Radio Services (Parts 90 and 74)

Eligibility

1) Rule Section:

Frequency Coordinator Information (if not self-coordinated)

2) Has frequency coordination been completed for this application? ( ) Yes/No		
3) Frequency Coordination Number	4) Name of Frequency Coordinator	5) Telephone Number

6) Associated Call Signs (Attach additional sheets if required)


Control Point(s) (Other than at the transmitter)

7) Action A/M/D	8) Control Point Number	9) Location Street Address, City or Town, County, State	10) Telephone Number

11) Broadcast Auxiliary Only

If there is an associated Parent Station, provide:	Facility Id of Parent Station:	Class of Parent Station:	City and State of Parent Station Principal Community:
If there is no associated parent station, this applicant is a: ( ) Broadcast Network Entity   Television Cable Operator   Motion Picture Producer   Television Producer			State of Primary Operation:

[illegible]

### Frequency Information

[illegible]

## International Registration Information - Additional Technical Information

[illegible]

Information and Instructions

**Instructions for Technical Data Schedule for the  
Fixed Microwave and Microwave Broadcast Auxiliary Services  
(Parts 101 and 74)**

Form FCC 601, Schedule I, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. This schedule is used to apply for an authorization to operate a radio station in the Fixed Microwave and Microwave Broadcast Auxiliary Services, as defined in 47 CFR, Parts 101 and 74. It is also used to amend a pending application or modify an existing license in these services. Additionally, this schedule is used by auction winners that must file site-specific technical data for international coordination or for an environmental assessment of a particular site. The FCC 601 Main Form must be filed in conjunction with this schedule. The FCC 601 Main Form must be filed in conjunction with this schedule.

All site and technical information, whether pertaining to a fixed location or an area location, is filed on Schedule I. Do not file FCC 601, Schedule D - Schedule for Fixed Station Locations and Antenna Structures, or FCC 601, Schedule E - Schedule for Mobile, Temporary Fixed, and 6.1 Meter Control Station Locations, in conjunction with Schedule I.

**Schedule I  
Instructions**

► **Administrative Information**

**Item 1** If this application is being filed as part of a pack, either simultaneously with the pack or as a late addition to the pack, enter 'Y'. Otherwise enter 'N'.

**Note:** A pack is a set of applications requesting a system or subsystem of microwave links which are related to the extent that they cannot or must not operate independently and so must all have the same grant date and construction deadline. All applications intended to be part of a pack should be filed together with the other applications in the pack, on the same day (the initial filing date of the pack). Applications that are part of a pack may also be filed singly, as a late addition to the pack.

In order to incorporate new paper-filed applications into a new pack, all the paper-filed applications for the new pack must be filed together on the same day; it is recommended that they also be filed in the same envelope.

**Item 2** Complete this item only if the answer to Item 1 is 'Y'. If this application is being filed on the initial filing date of the pack and the Pack Registration Number has already been obtained on-line, or this application is being filed as a late addition to the pack, the Pack Registration Number must be entered in Item 2b. Otherwise, (i.e., if this application is being filed on the initial filing date of the pack and the Pack Registration Number has not been obtained on-line), enter in Item 2b a descriptive and unique pack name, not exceeding 50 characters, which the FCC will use to relate this application to other applications filed for the pack on the same day. The FCC will assign a new Pack Registration Number to the pack.

**Note:** It is recommended that a Pack Registration Number be obtained on-line prior to the initial filing of the pack, and entered in Item 2a, to facilitate pack identification and aggregation, and to avoid confusion.

**Item 3** Enter the type of operation code. Select only one code per application. A separate license is needed for each type of operation. Valid type of operation codes are:

- F - Permanent Fixed Point to Point
- M - Multiple Address System (MAS)
- T - Temporary Fixed/Mobile
- D - Digital Electronic Message Service (DEMS)
- 18 - 18 GHz Low Power
- 31 - 31 GHz Systems
- 38 - 38 GHz Systems

**Item 4** Enter the station class code that identifies the transmitter class. Refer to Table 1, located on page 16 of these instructions. The station class codes are as follows:

Fixed .....	FXO
Temporary Fixed .....	FX5
Mobile .....	MO
Mobile & Temporary Fixed .....	MO5

**Item 5** For Digital Electronic Message Services (DEMS) only: Enter the Standard Metropolitan Statistical Area (SMSA) for the license.

**Item 6** If this request is for a Modification, Renewal/Modification, or Amendment of a currently pending application, and it, along with all minor Modification or Amendment requests filed since the last major action granted by the Commission produces a cumulative effect that would equal or exceed the criteria for a major filing, enter 'Y'. Otherwise enter 'N'.

**•Control Point (Technical Point of Contact)**

Fixed Microwave and Microwave Broadcast Auxiliary Services authorize only one control point per license. Therefore, this section must be completed only when a control point is to be added or modified. If you are adding a new control point (for a new license only), complete all items in this section. If you are modifying an existing control point, in addition to Item 7, complete only the items that have changed for the control point. The control point that is currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 7** This item indicates the action the filer wants the FCC to take on the specified control point. Enter 'A' for Add or 'M' for Modify.

**Item 8** Enter the street address, city or town, county, and state of the control point. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Item 9** Enter the telephone number, including area code, where a person responsible for operation of the station or system can be reached.

**•Broadcast Auxiliary Only**

This item applies to Microwave Broadcast Auxiliary Stations only. Complete either Item 10 or Item 11.

**Item 10** If there is an associated parent station, enter the facility identification number of the parent station (Item 10a), the class of the parent station (Item 10b), and the city and state of the parent station principal community (Item 10c). If there is more than one parent station, select one for the purpose of completing Item 10 (see note). The type of traffic, TV or aural, indicated by the class of station of the parent in Item 10b must be consistent with that indicated by the radio service code of the Broadcast Auxiliary Station requested under this application. Parent station class codes TV, DT, TX, TB, or TR must be entered for applied-for Broadcast Auxiliary radio service codes TS, TI, TB, TT, or TP. Parent station class codes FA, FM, FS, FX, FR, FB, OA, OB, OC, or OD must be entered for applied-for codes Broadcast Auxiliary radio service codes AS, AI, or AB.

**Note:** Actions (i.e., renewals, assignments, cancellations, etc.) taken on the parent station will similarly effect the Broadcast Auxiliary Station.

**Item 11** If there is no associated parent station, certify that the applicant is a broadcast network entity and enter the state of primary operation (Item 11). By signing the FCC 601 Main Form filed in conjunction with this schedule, the applicant certifies that the statement listed in Item 11 is true, complete, correct, and made in good faith. Note that a broadcast network entity must have entered TV Pick-up, radio service code 'TP', in Item 1 of the FCC 601 Main Form.

**•Frequency Coordination Information**

**Item 12** Enter 'Y' if frequency coordination has been completed for this application. Otherwise enter 'N'.

The remaining items in this section must be completed if the station is not self-coordinated.

**Item 13** Enter the frequency coordination number issued by the frequency coordinator for this application.

**Item 14** Enter the name of the frequency coordinator.

**Item 15** Enter the telephone number (including area code) of the frequency coordinator.



## Instructions for Schedule I Supplement 1 - Transmit Location Data

For purposes of these instructions and the use of this Supplement 1, permanent fixed point-to-point stations, Multiple Address System (MAS) stations that are not mobile-only, and Digital Electronic Message Service (DEMS) stations, are considered to have fixed transmit locations. Mobile-only Multiple Address System (MAS) stations, temporary fixed, 18 GHz Low Power stations, and 31.0-31.3 GHz and 38.6-40.0 GHz (non-auction, area operation) stations are considered to have area transmit locations.

A summary of Types of Operation Codes/Station Classes/Transmit Location Types/Path Codes is provided in Table 1, located on page 16 of these instructions.

### ►Transmit Location Information

**Item 1** Enter the code indicating the action requested. To add a new transmit location (for new licenses only), enter 'A'. If the new transmit location you are adding is a fixed transmit location, also complete Items 2 through 15. If the new transmit location you are adding is an area transmit location, also complete Items 2 through 4 and Items 16 through 26.

**Note:** Part 101 Microwave Services and Part 74 Broadcast Auxiliary Microwave Services only authorize one transmit location per license.

To modify existing transmit location data (for existing licenses only), enter 'M'. If the existing transmit location is a fixed transmit location, complete Items 3 (NEPA), 4 (Quiet Zone - if required), 5 (FCC Antenna Structure Registration), and only those of Items 6 through 15 that are being modified (enter the new data only). If the existing transmit location is an area location, complete only those Items 2 through 4, and 16 through 26, that are being modified (enter the new data only).

**Item 2** Enter the transmitter location or station name (20 characters maximum). If a new station is proposed, give it a name that relates to its location (up to 20 characters). For example, the name of a city, statistical area, town, or prominent geographical feature may be used. If necessary, abbreviate the name, without punctuation (e.g., Bald Mtn).

**Item 3** This item is required for compliance with the National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321-4335. See also Part 1, Subpart I of the FCC rules (47 CFR 1.1301 - 1.1319). This item must be answered, either 'Y' or 'N'.

Enter 'Y' if an FCC grant of this application will have a significant environmental effect. Section 1.1307 of the FCC rules lists categories of environmental effects for which applicants must file an environmental assessment. Otherwise enter 'N'. Examples of facilities that may have a significant effect on the environment include:

An antenna structure located in a residential area (as defined by applicable zoning laws) that will utilize high intensity aviation obstruction lighting

A facility located in an officially designated wilderness area, wildlife preserve, or floodplain

A facility that affects a site significant in American history

A facility whose construction involves extensive changes in surface features

Facilities, operations, or transmitters that would cause human exposure to levels of radio frequency radiation in excess of the limits as detailed in § 1.1310 and 2.1093 of the Commission's rules.

**Item 4** Applicants for stations located in one of the quiet zones listed below must notify the proper authority and indicate the date such notification was sent in Item 4.

1. National Radio Astronomy Observatory, Green Bank, Pocahontas County, West Virginia. The quiet zone is located within Virginia, West Virginia, and Garrett County, Maryland and bounded by 39 degrees 15' N on the north, 78 degrees 30' W on the east, 37 degrees 30' N on the south, and 80 degrees 30' W on the west. Contact the National Radio Astronomy Observatory, P.O. Box 2, Green Bank, West Virginia 24944.

2. Arecibo Observatory, Puerto Rico. The quiet zone consists of the islands of Puerto Rico, Desecheo, Mona, Vieques, and Culebra. Contact the Interference Office, Arecibo Observatory, Post Office Box 995, Arecibo, Puerto Rico 00613.

►Fixed Transmit Location

**Item 5** This item is required if the action requested in Item 1 is 'A' or 'M'. If antenna structure registration is required, enter the seven digit FCC Antenna Structure Registration Number (shown on the structure's registration, FCC Form 854R). Otherwise, enter N/A (FAA notification is not required).

**Note:** Effective 7/1/96 the Commission requires owners to register certain structures. When required, antenna structures must be registered using FCC Form 854. The use of this FCC Form 601 to supply antenna structure information does not replace the requirement to register antenna structures on the FCC Form 854. For more information, see our web site at <http://www.fcc.gov/wtb/antenna>, call the National Call Center at 1-888-CALL-FCC (225-5322), or e-mail questions to FCCITD@fcc.gov.

**Items 6 and 7** Respond to this item only if you indicated 'N/A' in Item 5. Enter the geographic coordinates of the location, referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Note:** Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (i.e., NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://www.fcc.gov/wtb/uls/nadcon.html>.

Enter the latitude using the format *DD-MM-SS.S*, where the degrees (*DD*) term can have a value in the range of 0 to 90, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'N' for North or 'S' for South.

Enter the longitude using the format *DDD-MM-SS.S*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'E' for East or 'W' for West.

**Items 8-11** Respond to these items only if you indicated 'N/A' in Item 5. These items identify the location by its address or, if there is no address, by a brief specific geographic description of the location, such as distance and direction from known landmarks, for example:

- 8) (Street) '5 km S of
- 9) (City) 'Gettysburg'
- 10) (County) 'Adams'
- 11) (State) 'PA'

If the nearest city, county and state are located in a bordering county and/or state, enter a complete description of the location in item 8 as shown in the example. Complete item 9 if a city, town or village within the transmitter's county is nearby and complete items 10 and 11 with the county and state in which the coordinates are actually located, for example:

- 8) Summit Mtn near Palo Verde, Imperial County, CA
- 9)
- 10) La Paz
- 11) Colorado

P.O. Box numbers or geographic coordinates are not acceptable for Item 8. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Note:** For a Multiple MAS Master or DEMS Nodal station, if the only sub-type of operation codes to be used at the station are 'Multiple Two-Way Master-Remote/Nodal-User or Multiple One-Way Outbound Master or both, there is no antenna structure at the coordinates specified in Items 6 and 7, so no antenna registration is required: enter 'NA' in Item 5.

**Item 12** Respond to this item only if you indicated 'N/A' in Item 5. Enter the elevation above mean sea level (AMSL) of the ground at the antenna location. Enter this item in meters, rounded to the nearest tenth. Refer to letter 'a' in the Antenna Structure Sample Figures, located at the end of the FCC 601 Schedule I instructions. This information can be determined in many ways, including a GPS receiver, 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Item 13** Respond to this item only if you indicated 'N/A' in Item 5. Enter the code for the type of structure on which the antenna is or will be mounted from the following valid structure types:

<u>Code</u>	<u>Definition</u>
B	Building with a side mounted antenna
BANT	Building with Antenna on Top
BMAST	Building with Mast/Antenna on Top
BPIPE	Building with Pipe/Antenna on Top
BPOLE	Building with Pole/Antenna on Top
BRIDG	Bridge
BTWR	Building with Tower/Antenna on Top
MAST	Self-Support Structure
NNTANN*	Antenna Tower Array
NTOWER**	Multiple Structures
PIPE	Any Type of Pipe
POLE	Any Type of Pole, used only to mount an antenna
TANK	Any Type of Tank (Water, Gas, etc.)
RIG	Oil or Other Type of Rig
SIL0	Any Type of Silo
STACK	Smoke Stack
TOWER	A Free Standing Guyed Structure Used for Communications Purposes
TREE	When Used as a Support for an Antenna
UPOLE	Utility Pole/Tower Used to Provide Service (Electric, Telephone, etc.)

\* Valid Tower Arrays. Code definition: The first NN indicates the number of towers in an array. The second NN is optional and indicates the position of that tower in the array (e.g., 3TA2 would identify the second tower in a three tower array).

\*\* Valid Multiple Structures. Code Definition: The N indicates the number of structures where multiple antenna structures are present in a multiple structure (Ex.: 2TOWER, 3TANK, 6BANT, 7BMAST).

**Item 14** Respond to this item only if you indicated 'N/A' in Item 5. Enter the height above ground level to the highest point of the supporting structure only. Enter this item in meters, rounded to the nearest tenth. For example, if the antenna structure consists of a building/tower combination, include any elevator shaft, flag pole, or penthouse in the overall support structure height, but not the antenna, tower, pole, or mast. If the antenna structure is a tower only, include the height of the tower but not the antenna. Refer to letter 'b' in the Antenna Structure Sample Figures, located at the end of the FCC 601 Schedule I instructions.

**Item 15** Respond to this item only if you indicated 'N/A' in Item 5. Enter the overall height above ground level of the entire antenna structure to the highest point, including any appurtenances. Enter this item in meters, rounded to the nearest tenth. You must include antennas, dishes, obstruction lighting, etc. Refer to letter 'c' in the Antenna Structure Sample Figures, located at the end of the FCC 601 Schedule I instructions.

#### •Area Transmit Location

**Item 16** Enter the appropriate area of operation code using the table below. Additional mobile location fields must be completed according to the area of operation code chosen. Refer to the table to determine which additional fields are required for the chosen area of operation code.

**Note:** If area operation will cover multiple counties, use area of operation code 'O' and specify all applicable counties in Item 26.

#### Area of Operation Codes and Required Data Values

Code	Description	Additional Schedule I Data Elements Required for each Area of Operation Code	Item Numbers
P	KMRA around a centerpoint (circular area of operation)	Temporary Fixed or Mobile Radius, Latitude, Longitude, City*, County**, State**	17, 18, 19, 22, 23, 24
R	Rectangular Area of Operation	Latitude, Longitude, Maximum Latitude, Maximum Longitude	18, 19, 20, 21
N	Nationwide including Hawaii Alaska & US Territories		
U	Continental US		
C	County Wide Area of Operation	County, State	23, 24
S	Statewide Area of Operation	State	24
O	Other - Narrative	Description	26

\*Kilometers Radius

\*\* Complete as applicable - refer to instructions for applicability.

**Item 17** Complete this item for area transmit locations for a circular area of operation defined by a radius around a specified set of coordinates (i.e., 'P' was entered for Item 16). Enter the radius of the circular area of operation around the geographic coordinates entered in Items 18 and 19. Enter this in kilometers, rounded to the nearest tenth.

**Note:** For MAS Mobile Master (mobile-only), indicated by type of operation code 'M' on the main Schedule I and sub-type of operation Mobile Master in Item 6a of Supplement 2 - enter 40.2.

For 18 GHz Low Power, indicated by type of operation code '18' on the main Schedule I - enter 28.2.

**Items 18 and 19** If 'P' was entered in Item 16, enter the geographic coordinates (latitude and longitude) of the location of the center of the circular area of operation. If 'R' was entered in Item 16, enter the minimum geographic coordinates of the rectangular area of operation (usually the coordinates of the southeastern corner of the rectangle).

Coordinates entered must be referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Note:** Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (i.e., NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://www.fcc.gov/wtb/uls/nadcon.html>.

Enter the latitude using the format *DD-MM-SS.S*, where the degrees (*DD*) term can have a value in the range of 0 to 90, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'N' for North or 'S' for South.

Enter the longitude using the format *DDD-MM-SS.S*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'E' for East or 'W' for West.

**Items 20 and 21** Complete this item for area transmit locations for a rectangular area of operation defined by minimum and maximum geographic coordinates (latitude and longitude), i.e., if code 'R' was entered in Item 16. Enter the maximum geographic coordinates (latitude and longitude) of the rectangular area of operation (usually the coordinates of the northwestern corner of the rectangle).

Coordinates entered must be referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Note:** Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (i.e., NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://www.fcc.gov/wtb/uls/nadcon.html>.

Enter the latitude using the format *DD-MM-SS.S*, where the degrees (*DD*) term can have a value in the range of 0 to 90, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'N' for North or 'S' for South.

Enter the longitude using the format *DDD-MM-SS.S*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'E' for East or 'W' for West.

**Item 22** If 'P' was entered in Item 16, enter the city or town name of the location. This item is required only if Item 23 (county) is blank.

**Item 23** If 'P' or 'C' was entered in Item 16, enter the county of the location. This item is always required for area of operation code 'C'. This item is also required for area of operation code 'P' except when: (a) the city entered in Item 22 is an independent city that is not affiliated with a county (i.e., Baltimore, MD), or (b) the state entered in Item 24 does not have counties (i.e., Alaska, Virgin Islands).

**Item 24** If 'P', 'C', or 'S' was entered in Item 16, enter the state of the location. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Item 25** This item helps the FCC to determine if it will initiate coordination procedures with the Government of Canada. If any part of the mobile location is North of Line A, enter 'Y' in the appropriate field. If any part of the mobile location is East of Line C (applies to stations located in Alaska only), enter 'Y' in the appropriate field. In the event the applicant needs to submit additional information regarding coordination of a channel assignment with the Government of Canada, this should be attached as an exhibit which references Schedule I Item 25. If 'N' is entered for both questions, the FCC will not initiate coordination procedures with the Government of Canada and your area of operation will be excluded from these border areas. Refer to FCC 601 Main Form Instructions, Appendix I, for a list of counties, by state, having areas North of Line A.

**Item 26** If the response to Item 16 was 'O', enter a description of the area of operation. P.O. Box numbers or geographic coordinates are not acceptable for Item 26. The use of Other-Narrative should only be used if the area of operation cannot be described by using one of the other codes. Area of operation provided as Other-Narrative may delay processing of the application.

### **Instructions for Schedule I Supplement 2 - Path Data**

This Supplement must be completed only when a transmission path is to be added, modified, or deleted. For purposes of filing this application, a 'path' is defined as the transmitting antennas (along with their height, orientation, and polarization), the final receiver (if present) and any associated passive repeaters. File as many copies of Supplement 4 (Frequency Data) as necessary to describe all transmitters and frequencies associated with each transmission path. Transmission paths are linked on Supplement 2 and Supplement 4 by Item 2, path number, located respectively on each supplement.

A Supplement 2 must be completed for each transmission path added, modified, or deleted. If you are adding a new transmission path, complete a Supplement 2 for each transmission path to be added, and a Supplement 4 (Frequency Data) for all transmitters and frequencies on the new path. If you are modifying a transmission path, in addition to Items 1 through 5, complete only the items that have changed for each transmission path. If you are deleting a transmission path, only Items 1 through 5 are required. Transmission paths that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this Supplement.

**Note:** If a path is deleted, the transmitter and frequency data that is linked to the path will automatically be deleted and will no longer be part of your authorization.

Refer to Table 2 at the end of these instructions for assistance in filling out Supplements 3 and 4. Table 2 indicates the fields and their values that are applicable for various path types. For Permanent Fixed Point-to-Point paths, enter the actual used value for each item on Supplement 2, or leave blank if not applicable.

#### **► Transmit Location**

This section identifies the transmit location and path number of the transmission paths. Transmit location information is entered on Supplement 1 of Schedule I. Path information is entered in the remaining sections of this Supplement 2.

**Item 1** Enter the transmit location name as entered in Item 2 of Supplement 1.

**Item 2** Enter the path number. If the path has been previously licensed under this call sign by the Commission, enter its FCC-assigned path number (located on the Authorization). If you are adding a new path to the transmit location as part of this filing, assign a code to represent the path. Number each new path consecutively, beginning each assigned path number with 'P' to indicate it is a path and end with a number to uniquely identify it (e.g., P1, P2, P3, etc.). A single transmitter can have multiple paths. Path numbers need only be unique for each transmitting antenna and final receiver (if present). The FCC will assign an official number to the new path, which will appear on the Authorization.

**Items 3 and 4** Enter the coordinates of the transmit location, as entered in Items 6 and 7 or Items 18 and 19 of Supplement 1.

**Item 5** This item indicates the action the filer wants the FCC to take on the path specified in Items 1 through 4. Enter only one action per copy of Supplement 2. Enter 'A' to Add a New Path, 'M' to Modify an Existing Path, or 'D' to Delete an Existing Path.

If 'A' is entered, complete all remaining items on this supplement (Items 6 through 37). Also complete as many copies of Supplement 4 (Frequency Data) as necessary to describe all transmitters and frequencies associated with the new path. If 'M' is entered, in addition to completing Items 1 through 5, complete only those Items of 6 through 37 that are being modified (enter new data only). If the modification also affects transmitters or frequencies, also complete as many copies of Supplement 4 as necessary to describe the transmitter or frequency modifications (enter new data only). Modification of a path will affect all parameters of that path. If 'D' is entered, only complete Items 1 through 5. Deletion of a path will delete the entire path, including all frequencies.

**Note:** To add one path and modify another, complete two Supplement 2 forms.

**Item 6a** For MAS (Multiple Address System) and DEMS (Digital Electronic Message Service) stations only, represented by type of operation codes M and D, entered respectively, in Item 3 on main Schedule I. This item further classifies various MAS and DEMS operations. Enter the sub-type of operation codes for the path. Enter only one sub-type of operation code for each path.

**Fixed Two-way MAS Master-Remote or DEMS Nodal-User**

Normal fixed MAS master-remote or DEMS nodal-user two-way operation, with single fixed master/nodal, located at the coordinates stated in Items 6 and 7 of Supplement 1, transmitting to four or more MAS remotes or any number of DEMS users, and remotes/users transmitting back to master/nodal. Two Supplement 2s must be filed for this sub-type, one for the master/nodal-to-remotes/user path, and one for the remotes/user-to-master/nodal path.

**Fixed One-way Outbound MAS Master (MAS only)**

A fixed MAS master, located at the coordinates stated in Items 6 and 7 of Supplement 1, transmitting to four or more receive-only remotes. Only one Supplement 2 must be filed for this sub-type for the master-to-remote path.

**Fixed One-way Inbound MAS Master (MAS only)**

Four or more remotes transmitting to a receive-only fixed master, located at the coordinates stated in Items 6 and 7 of Supplement 1. Only one Supplement 2 must be filed for this sub-type for the remote-to-user path.

**Multiple Two-way MAS Master-Remote or DEMS Nodal-User (DEMS only permitted under waiver)**

Multiple MAS masters or DEMS nodals at unspecified locations within an area around the coordinates stated in Items 6 and 7 of Supplement 1, transmitting to at least four multiple receive-only MAS remotes or any number of DEMS users and remotes/users transmitting back to multiple masters/nodals. Two Supplement 2s must be filed for this sub-type, one for the master/nodal-to-remote/user path, and one for the remote/user-to-master/nodal path.

**Multiple One-way Outbound MAS Master (MAS only)**

Multiple MAS masters at unspecified locations within an area around the coordinates stated in Items 6 and 7 of Supplement 1. Only one Supplement 2 must be filed for this sub-type for the master-to-remote path.

**Mobile MAS Master (Mobile-only) (MAS only)**

Mobile master(s) at unspecified locations within an area described in items 17-19 of Supplement 1. A path code should not be filed for this subtype (see the Note in Item 6b).

**Mobile MAS Master (Non-Mobile-only) (MAS only)**

Mobile master(s) added to the authorization of an existing MAS station and associated with the fixed location of that existing MAS station. A path code should not be filed for this subtype (see the Note in Item 6b).

**Notes** For MAS, sub-types of operation Fixed Two-way MAS Master-Remote, Fixed One-way Outbound MAS Master, and Fixed One-way Inbound MAS Master must be licensed separately from each other. Do not enter these sub-types of operation together on the same license. MAS Multiple Two-way MAS Master-Remote, Multiple One-way Outbound MAS Master, and Mobile MAS Master sub-types of operation may be licensed by themselves or in conjunction with any valid MAS sub-type of operation code.

For DEMS, Fixed Two-way DEMS Nodal-User or Multiple Two-way DEMS Nodal-User sub-types of operation may be licensed either by themselves or in combination with each other.

**Item 6b** Enter the path code (only one for each path) for the MAS/DEMS type of operation. See Table 1 for a list of path codes.

**Note:** Path codes are not collected for the following types of operation, as their path codes are predefined and shown within the parentheses: Permanent Fixed Point to Point (PP), Temporary Fixed/Mobile (MM), Multiple Address System (MAS) Mobile Only (MM), 18 GHz Low Power (MM), 31 GHz (MM), 38 GHz (MM).

## ►Transmit Antenna

Items 7 and 8 Enter the name of the manufacturer and model number of the transmit antenna.

Item 9 Enter the height above ground to the center of the final radiating element. Enter this item in meters, rounded to the nearest tenth. For a parabolic dish antenna, this is the height to the center of the dish. For a periscope antenna system, this is the height to the center of the reflector. In all cases, the height should not exceed the overall height of the structure with appurtenances.

Item 10 Enter the beamwidth (degrees, rounded to one decimal place) of the transmitting antenna. That is, enter the angular distance between the half power points of the antenna's main lobe in the horizontal plane. For omnidirectional antennas, enter 360.

Item 11 Enter the gain of the transmitting antenna over an isotropic radiator in dBi, rounded to one decimal place.

Items 12-14 If a diversity antenna is used, complete Items 12 through 14 with the antenna height above ground level, beamwidth, and gain for the diversity antenna. See instructions for Items 9 through 11.

Item 15 For fixed stations only, enter the elevation angle of the antenna (rounded to the nearest degree), measured in degrees from the horizontal up to the center line of radiation of the antenna. If the antenna tilts down (depression angle), indicate with a minus sign.

Item 16 Indicate polarization with the following codes:

V – Vertical  
H – Horizontal  
R – Right-hand circular  
L – Left-hand circular  
H/V – Variable

For linear polarization other than horizontal or vertical, the polarization should be stated in degrees measured from the vertical, with angles between 0 and +89 degrees denoting the outgoing electric field vector displacement in the clockwise direction, and angles between 0 and -89 degrees denoting the outgoing electric field vector displacement in the counterclockwise direction. For a periscope antenna system, enter the expected polarization of the signal radiated off the reflector.

Item 17 Enter the azimuth, clockwise from True North (degrees, rounded to one decimal place), from the station to the receive site or to the first passive repeater, if any, on this transmission path.

For omnidirectional antennas, enter 360. For a directional antenna without a fixed azimuth – as with temporary, mobile, Multiple Address Remote, or Digital Electronic Message stations – enter 999.

Item 18 Enter the height and width of the periscope reflector, if used. Enter this item in meters, rounded to the nearest tenth.

Item 19 Enter the separation distance between the transmit antenna and the periscope reflector, if used. Enter this item in meters, rounded to the nearest tenth.

Item 20 If this path includes a passive repeater, enter 'Y'. Supplement 3 requests information about passive repeaters. If none, enter 'N'.

Item 21 If the final receiver is located outside of the United States, enter the name of the country and attach an exhibit explaining the circumstances.

Item 22 If the application proposes installation or reorientation of a transmitting antenna that operates with a frequency in the 5925-6425 MHz band and is aimed within 2 degrees of the geostationary satellite orbit, enter 'Y' and submit, as an exhibit, a justification for waiver. Otherwise, enter 'N'.

## ►Final Receiver

Item 23 Enter the receiver location name (20 characters maximum). If a new station is proposed, give it a name that relates to its location (up to 20 characters). For example, the name of a city, statistical area, town, or prominent geographical feature may be used. If necessary, abbreviate the name, without punctuation (e.g., Bald Mtn). If a new station is proposed, give it a name that relates to its location. For example, the name of a city, statistical area, town, or prominent geographical feature may be used. If necessary, abbreviate the name, without punctuation (e.g., Bald Mtn).

Item 24 Enter the call sign of the station at the far end of the transmission path. This is the station that will receive the transmissions of this path on the frequencies entered in Item 6 and 7 of Supplement 4. For a receive-only station or a new station, leave this item blank.

**Items 25 and 26** Enter the geographic coordinates of the receive site, referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Note:** Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (*i.e.*, NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://www.fcc.gov/wtb/uls/nadcon.html>.

Enter the latitude using the format *DD-MM-SS.S*, where the degrees (*DD*) term can have a value in the range of 0 to 90, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'N' for North or 'S' for South.

Enter the longitude using the format *DDD-MM-SS.S*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'E' for East or 'W' for West.

**Item 27** Enter the ground elevation above mean sea level of the receive site. Enter this item in meters, rounded to the nearest tenth.

**Items 28 and 29** Enter the name of the manufacturer and model number of the receiving antenna.

**Item 30** Enter the height above ground level to the center of the receiving antenna. Enter this item in meters, rounded to the nearest tenth. For a parabolic dish antenna, this is the height to the center of the dish. For a periscope antenna system, this is the height to the center of its reflector.

**Item 31** Enter the beamwidth (degrees, rounded to one decimal place) of the receiving antenna. That is, enter the angular distance between the half power points of the antenna's major lobe in the horizontal plane. For omnidirectional antennas, enter 360.

**Item 32** Enter the gain of the receiving antenna over an isotropic radiator in dBi, rounded to one decimal place.

**Item 33** Enter the height above ground level to the center of the diversity receiving antenna. Enter this item in meters, rounded to the nearest tenth. For a parabolic dish antenna, this is the height to the center of the dish. For a periscope antenna system, this is the height to the center of its reflector.

**Item 34** Enter the beamwidth (degrees, rounded to one decimal place) of the diversity receiving antenna. That is, enter the angular distance between the half power points of the antenna's major lobe in the horizontal plane. For omnidirectional antennas, enter 360.

**Item 35** Enter the gain of the diversity receiving antenna over an isotropic radiator in dBi, rounded to one decimal place.

**Item 36** Enter the height and width of the periscope reflector, if used. Enter this item in meters, rounded to the nearest tenth.

**Item 37** Enter the separation distance between the receive antenna and the periscope reflector, if used. Enter this item in meters, rounded to the nearest tenth.



## Instructions for Schedule I Supplement 3 - Passive Repeaters (PR)

This Supplement must be completed only when a passive repeater is to be added, modified, or deleted. Each transmission path may have one or more passive repeaters. Each Supplement 3 describes one passive repeater. If you have more than one passive repeater, submit an additional Supplement 3 for each. If you are adding a new passive repeater, complete a Supplement 3 for each passive repeater to be added. If you are modifying an existing passive repeater, in addition to Items 1 through 7, 9 (FCC Antenna Structure Registration), and 24 (NEPA), complete only the items that have changed for each passive repeater. If you are deleting a passive repeater, only Items 1 through 6 are required. Passive repeaters that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this Supplement.

### ►Transmit Location

This section identifies the transmit location and path numbers on which the passive repeater is located. Transmit location information is entered on Supplement 1 of Schedule I. Path information is entered on Supplement 2 of Schedule I.

Item 1 Enter the transmit location name as entered in Item 2 of Supplement 1.

Item 2 Enter the path number on which the passive repeater is located, as entered on Supplement 2, Item 2.

Items 3 and 4 Enter the coordinates of the transmit location, as entered in Items 6 and 7.

Item 5 This item indicates the action the filer wants the FCC to take on the specified passive repeater. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

Enter only one action per copy of Supplement 3. To add one passive repeater and modify another, complete two Supplement 3 forms. At least one Supplement 2, Path Data, must be filed if you add or modify a passive repeater. Deletion of a path (Supplement 2) will delete the entire path, including all passive repeaters on that path.

### ►Passive Repeater Location

Item 6 If the passive repeater has been previously licensed under this call sign by the FCC, enter its FCC-assigned passive repeater identification number (located on the Authorization).

Item 7 The passive repeater sequence number is used to identify the sequence of passive repeaters on a specific path. PR#1 would receive the signal from the transmitter and PR#2 would receive the signal from PR#1, and so forth. For a new passive repeater, or to reassign the sequence number of an existing passive repeater, enter the new passive repeater sequence number.

**Note:** If a passive repeater sequence is reassigned, a Supplement 3 must be completed and attached for every passive repeater on the path that is being assigned a new passive repeater sequence number.

Item 8 Enter the passive repeater location name (20 characters maximum). If a new station is proposed, give it a name that relates to its location (up to 20 characters). For example, the name of a city, statistical area, town, or prominent geographical feature may be used. If necessary, abbreviate the name, without punctuation (e.g., Bald Mtn). If a new station is proposed, give it a name that relates to its location. For example, the name of a city, statistical area, town, or prominent geographical feature may be used. If necessary, abbreviate the name, without punctuation (e.g., Bald Mtn).

Item 9 If antenna structure registration is required and the owner of the structure has registered the structure with the FCC, enter the seven-digit FCC Antenna Structure Registration Number (shown on the structure's registration, FCC Form 854R). Otherwise, enter 'N/A' (FAA notification is not required).

**Note:** Effective 7/1/96 the Commission requires owners to register certain structures. When required, antenna structures must be registered using FCC Form 854. The use of this FCC Form 601 to supply antenna structure information does not replace the requirement to register antenna structures on the FCC Form 854. For more information, see our web site at <http://www.fcc.gov/wtb/antenna>, call the National Call Center at 1-888-CALL-FCC (225-5322), or e-mail questions to [FCCITD@fcc.gov](mailto:FCCITD@fcc.gov).

Items 10 and 11 Respond to this item only if you indicated 'N/A' in Item 9. Enter the geographic coordinates of the passive repeater, referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Note:** Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (i.e., NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://www.fcc.gov/wtb/uls/nadcon.html>.

Enter the latitude using the format *DD-MM-SS.S*, where the degrees (*DD*) term can have a value in the range of 0 to 90, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'N' for North or 'S' for South.

Enter the longitude using the format *DDD-MM-SS.S*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. In the lower right corner, specify the direction as either 'E' for East or 'W' for West.

**Item 12** Respond to this item only if you indicated 'N/A' in Item 9. Enter the elevation above mean sea level (AMSL) of the ground at the antenna location. Enter this item in meters, rounded to the nearest tenth. Refer to letter 'A' in the Antenna Structure Sample Figures, located at the end of the FCC 601 Schedule I instructions. This information can be determined in many ways, including a GPS receiver, 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Item 13** Respond to this item only if you indicated 'N/A' in Item 9. Enter the code for the type of structure on which the antenna is or will be mounted from the following valid structure types:

<u>Code</u>	<u>Definition</u>
B	Building with a side mounted antenna
BANT	Building with Antenna on Top
BMAST	Building with Mast/Antenna on Top
BPIPE	Building with Pipe/Antenna on Top
BPOLE	Building with Pole/Antenna on Top
BRIDG	Bridge
BTWR	Building with Tower/Antenna on Top
MAST	Self-Support Structure
NNTANN*	Antenna Tower Array
NTOWER**	Multiple Structures
PIPE	Any Type of Pipe
POLE	Any Type of Pole. Pole used only to mount an antenna.
RIG	Oil or Other Type of Rig
SIL0	Any Type of Silo
STACK	Smoke Stack
TANK	Any Type of Tank, Water, Gas, etc.
TOWER	A Free Standing Guyed Structure Used for Communications Purposes
TREE	When Used as a Support for an Antenna
UPOLE	Utility Pole/Tower Used to Provide Service (Electric, Telephone, etc.)

\* Valid Tower Arrays. Code definition: The first NN indicates the number of towers in an array. The second NN is optional and indicates the position of that tower in the array (e.g., 3TA2 would identify the second tower in a three tower array).

\*\* Valid Multiple Structures. Code Definition: The N indicates the number of structures where multiple antenna structures are present in a multiple structure (Ex.: 2TOWER, 3TANK, 6BANT, 7BMAST).

**Item 14** Respond to this item only if you indicated 'N/A' in Item 9. Enter the height above ground level to the highest point of the supporting structure only. Enter this item in meters, rounded to the nearest tenth. For example, if the antenna structure consists of a building/tower combination, include any elevator shaft, flag pole, or penthouse in the overall support structure height, but not the antenna, tower, pole, or mast. If the antenna structure is a tower only, include the height of the tower but not the antenna. Refer to letter 'b' in the Antenna Structure Sample Figures, located at the end of the FCC 601 Schedule I instructions.

**Item 15** Respond to this item only if you indicated 'N/A' in Item 9. Enter the overall height above ground level of the entire antenna structure to the highest point, including any appurtenances. Enter this item in meters, rounded to the nearest tenth. You must include antennas, dishes, obstruction lighting, etc. Refer to letter 'c' in the Antenna Structure Sample Figures, located at the end of the FCC 601 Schedule I instructions.

Items 16 and 17 Enter the name of the manufacturer and model number of the passive repeater antenna.

Item 18 Enter the height above ground level to the center of the reflector or back-to-back dishes. Enter this item in meters, rounded to the nearest tenth.

Items 19 and 20 For back-to-back dishes, enter the gain of the transmitting (TX) and receiving (RX) antennas, over an isotropic radiator in dBi, rounded to one decimal place.

Item 21 Enter the height and width of the periscope reflector, if used. Enter this item in meters, rounded to the nearest tenth.

Item 22 Indicate polarization with the following codes:

V - Vertical  
H - Horizontal  
R - Right-hand circular  
L - Left-hand circular  
H/V - Variable

For linear polarization other than horizontal or vertical, the polarization should be stated in degrees measured from the vertical, with angles between 0 and +89 degrees denoting the outgoing electric field vector displacement in the clockwise direction, and angles between 0 and -89 degrees denoting the outgoing electric field vector displacement in the counterclockwise direction. For a periscope antenna system, enter the expected polarization of the signal radiated off the reflector.

Item 23 Enter the azimuth, clockwise from True North (degrees, rounded to one decimal place), from this passive repeater to the receive site or to the next passive repeater, if any, on this transmission path.

Item 24 This item is required for compliance with the National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321-4335. See also Part 1, Subpart I of the FCC rules (47 CFR 1.1301 - 1.1319). This item must be answered, either 'Y' or 'N'.

Enter 'Y' if an FCC grant of this application will have a significant environmental effect. Section 1.1307 of the FCC rules lists categories of environmental effects for which applicants must file an environmental assessment. Otherwise enter 'N'. Examples of facilities that may have a significant effect on the environment include:

An antenna structure located in a residential area (as defined by applicable zoning laws) that will utilize high intensity aviation obstruction lighting

A facility located in an officially designated wilderness area, wildlife preserve, or floodplain

A facility that affects a site significant in American history

A facility whose construction involves extensive changes in surface features

Facilities, operations, or transmitters that would cause human exposure to levels of radio frequency radiation in excess of the limits as detailed in § 1.1310 and 2.1093 of the Commission's rules.

## Instructions for Schedule I Supplement 4 - Frequency Data

If the application purpose indicated on the FCC 601 Main Form is New, file as many Supplement 4's (Frequency Data) as necessary to describe all transmitters and frequencies associated with each transmission path represented by a Supplement 2 (Path Data). Frequency data for each transmission path must be listed on a separate Supplement 4 (refer to the instructions on Supplement 2 for information about entering and assigning paths and path numbers).

If the application purpose indicated on the FCC 601 Main Form is Amendment, Modification, or Renewal/Modification, complete as many Supplement 4's (Frequency Data) as necessary to describe all frequency data being amended, added, modified, or deleted. Transmitters and frequency data for each transmission path must be listed on a separate Supplement 4 (refer to the instructions for Supplement 2 for information about entering and assigning paths and path numbers). If the proposed amendment/modification does not affect any transmitter or frequency data, it is not necessary to complete Supplement 4. Similarly, if the proposed amendment/modification changes transmitter or frequency data but does not affect any transmit path data, it is not necessary to complete Supplement 2.

**Note:** Deletion of a path using Supplement 2 (Path Data) will delete the entire path, including all the transmitters and frequencies on that path. Modification of a path using Supplement 2 (Path Data) will affect all transmitters and frequencies associated with that path.

Refer to Table 2 at the end of these instructions for assistance in filling out Supplements 4. Table 2 indicates the fields and their values that are applicable for various path types.

### ► Transmitter Location Information

This section identifies the transmit location and path for the listed transmitters and frequency data. Transmit location information is entered on Supplement 1 of Schedule I. Path data information is entered on Supplement 2 of Schedule I.

Item 1 Enter the transmit location name as entered in Item 2 of Supplement 1.

Item 2 Enter the path number, as entered in Item 2 of the corresponding Supplement 2 (Path Data). Paths are defined in the instructions for Supplement 2 (Path Data) - Refer to the instructions for Supplement 2, Item 2 for information about entering and assigning path numbers.

Items 3 and 4 Enter the coordinates of the transmit location, as entered in Items 6 and 7 or Items 18 and 19 of Supplement 1.

### ► Frequency Information

This section must be completed only when frequencies are to be added, modified, or deleted. If you are adding new frequencies, complete all items in this section for each frequency to be added. If you are modifying attributes of existing frequencies, in addition to Items 5, 6, and 7 (if applicable), complete only the items that have changed for each listed frequency. If you are deleting a frequency, only Items 5, 6, and 7 (if applicable) are required. Frequencies that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

Item 5 This item indicates the action the filer wants the FCC to take on the specified frequency(ies). Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

Items 6 and 7 Enter one frequency or one frequency band per line (e.g., 952.00625 or 1990-2210, as listed in the rules). Enter frequencies in MHz. To request more than 4 frequencies or frequency bands, file multiple copies of Supplement 4.

**Note:** For Subfrequency operation of a Multiple Address System (MAS) (type of operation code 'M' was entered in Item 3 on Schedule I), enter only the assignable center frequency of the 12.5 kHz or 25.0 kHz MAS channel requested, and explain the details of subfrequency use on a supplemental showing. For multiple contiguous 6 MHz channels in the 18142-18580 MHz band, enter the frequency band spanning from 3 MHz below the center frequency of the lowest assignable channel to 3 MHz above the center frequency of the highest assignable channel of each contiguous band of channels (e.g., if all 73 channels are desired, enter 18142-18580).

**Note:** For Broadcast Auxiliary applications, specify the requested channel by its center frequency for single channel operation or specify the specific frequency bands for band-wide operation. For example, an application for a Local Television Transmission Service (LTTs) station operating in the 17700-19700 MHz band should individually list the 17700-18820 MHz, 18920-19160 MHz, and 19260-19700 MHz sub-bands.

**Item 8** Enter the tolerance or frequency stability (in percent) of the transmitter under the conditions in which it will be operated. Normally, this is the same as the type accepted/notification value.

**Item 9** Enter the Effective Isotropic Radiated Power (EIRP), in dBm rounded to one decimal place, radiated off the transmitting antenna. For a periscope antenna system, this is the anticipated EIRP radiated off its reflector. If Automatic Transmitter Power Control transmitters are used, specify the maximum EIRP. Do not enter the coordinated or nominal transmit power.

**Item 10** Enter the full emission designator of the transmitter, composed of its necessary bandwidth and emission type.

**Note:** In order to modify an Emission Designator (Item 10), and its associated Digital Modulation Rate (Item 11) and Digital Modulation Type (Item 12), complete Items 5, 6, and if necessary, 7. Provide all existing and all new emission designators in the space provided (up to 4 - complete additional lines if more are required). If necessary, also provide the associated digital modulation rate and type. Do not provide emission designators that are no longer to be used. Emission designators not listed will be deleted from the listed frequency.

**Note:** For Subfrequency operation of a Multiple Address System (MAS) (type of operation code 'M' was entered in Item 3 on Schedule I), enter an assignable channel emission designator comprising the full assignable channel bandwidth and the subfrequency emission type, and an additional emission designator for each emission actually used on subfrequencies within the assignable channel (e.g., for a 1K20D1D emission operating on a subfrequency of an assignable 12.5 kHz MAS channel, enter 12K5D1D and 1K20D1D), and explain the details of subfrequency use on a supplemental showing. For multiple contiguous 6 MHz channels in the 18142-18580 MHz band, enter all emission designators to be used on any of the 6 MHz channels in the band, regardless of specific frequency/emission block plans.

**Item 11** For digital systems, enter the digital modulation rate in kbps (kilobits per second).

**Item 12** For digital systems, enter the digital modulation type.

**Item 13** Enter the transmitter manufacturer.

**Item 14** Enter the transmitter model number.

**Item 15** Automatic Transmitter Power Control (ATPC) is a feature that automatically adjusts transmitter output power based on path fading detected at the far-end receivers. Enter 'Y' or 'N' to indicate use of ATPC.

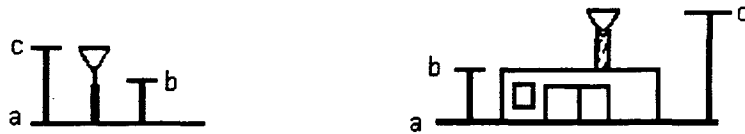


Figure 1 - Antenna Structure Figure Examples:

Table 1 - Type of Operation Codes/Station Classes/Transmit Location Types/Path Codes

Type of Operation Code	Station Class	Transmit Location Type	Sub-Type of Operation	Description	Path Type	Path Code
F	FXO	Fixed	N/A	Permanent Fixed Point-to-Point	N/A	PP
M	FXO	Fixed	FT	Fixed Two-way Master-Remote/Nodal-User	Master to Remote	MR
					Remote to Master	RM
M	FXO	Fixed	FO	Fixed One-way Outbound Master	Master to Remote	MR
M	FXO	Fixed	FI	Fixed One-way Inbound Master	Remote to Master	RM
M	MO	Area	MM	Mobile (mobile-only)	Mobile	MM
M	FXO	Fixed	MM	Mobile Master (with other MAS types)	Mobile	MM
M	FXO	Fixed	MT	Multiple Two-way Master-Remote/Nodal-User	Master to Remote	MR
					Remote to Master	RM
M	FXO	Fixed	MO	Multiple One-way Outbound Master	Master to Remote	MR
D	FXO	Fixed	FD	Fixed Two-way Master-Remote/Nodal-User	Nodal to User	NU
					User to Nodal	UN
D	FXO	Fixed	MD	Multiple Two-way Master-Remote/Nodal-User	Nodal to User	NU
					User to Nodal	UN
T	FX5	Area	N/A	Temporary Fixed	N/A	MM
T	MO	Area	N/A	Temporary Fixed/Mobile	N/A	MM
T	MO5	Area	N/A	Temporary Fixed/Mobile	N/A	MM
18	FXO	Area	N/A	18 GHz Low Power	N/A	MM
31	FXO	Area	N/A	31 GHz	N/A	MM
38	FXO	Area	N/A	38 GHz	N/A	MM

**Table 2 - Path Codes**

\* = Required items

- = Optional items, based on your particular system

SUPPLEMENT AND ITEM	PATH CODE		
	MR or NU	RM or UN	MM
7) Antenna Manufacturer*	Enter the Actual Value: except paths for MAS or DEMS Sub-Type of Operation Multiple Two-way Master-Remote/Nodal-User and Multiple One-way Outbound Master, enter the Typical Value	Enter the Typical Value	Enter the Typical Value
8) Antenna Model*	Enter the Actual Value: except paths for MAS or DEMS Sub-Type of Operation Multiple Two-way Master-Remote/Nodal-User and Multiple One-way Outbound Master, enter the Typical Value	Enter the Typical Value	Enter the Typical Value
9) Hgt to Center*	Enter the Actual Value: except paths for MAS or DEMS Sub-Type of Operation Multiple Two-way Master-Remote/Nodal-User and Multiple One-way Outbound Master, enter 6.1 meters	Enter 6.1 meters	Enter 6.1 meters
10) Beamwidth*	360 degrees	Enter the Typical Value	Enter the Typical Value
11) Antenna Gain*	Enter the Actual Value	Enter the Typical Value	Enter the Typical Value
12) Diversity Hgt	-	-	-
13) Diversity Beamwidth	-	-	-
14) Diversity Gain	-	-	-
15) Tilt	-	-	-
16) Polarization*	Enter the Actual Value	Enter the Actual Value	Enter the Actual Value
17) Azimuth*	Enter 360 degrees	Enter 999: except if beamwidth = 360 degrees, then azimuth = 360 degrees	Enter 999: except if beamwidth = 360 degrees, then azimuth = 360 degrees
18) Periscope Dimensions-Hgt/Width	-	-	-
19) Periscope Separation	-	-	-
20) Passive Repeater on Path?	-	-	-
21) Is final receiver located outside US?	-	-	-
22) Geostationary arc?	-	-	-
23) Receiver Location Name	-	-	-
24) Call Sign	-	-	-
25) Latitude	-	-	-
26) Longitude	-	-	-
27) Elevation	-	-	-
28) Receiver Antenna Make*	Enter the Typical Value	Enter the Actual Value: except paths for MAS or DEMS Sub-Type of Operation Multiple Two-way Master-Remote/Nodal-User, enter the Typical Value	Enter the Typical Value
29) Receiver Antenna Model*	Enter the Typical Value	Enter the Actual Value: except paths for MAS or DEMS Sub-Type of Operation Multiple Two-way Master-Remote/Nodal-User, enter the Typical Value	Enter the Typical Value

**Table 2 - Path Codes (continued)**

SUPPLEMENT AND ITEM	PATH CODE		
Supplement 2 - Path Data	MR or NU	RM or UN	MM
30) Hgt to Center*	Enter 6.1 meters	Enter the Actual Value: except paths for MAS or DEMS Sub-Type of Operation Multiple Two-way Master-Remote/Nodal-User, enter 6.1 meters	Enter 6.1 meters
31) Beamwidth*	Enter the Typical Value	Enter 360 degrees	Enter the Typical Value
32) Gain*	Enter the Typical Value	Enter the Actual Value	Enter the Typical Value
33) Diversity Hgt	-	-	-
34) Diversity Beamwidth	-	-	-
35) Diversity Gain	-	-	-
36) RX Periscope Dimensions -	-	-	-
37) RX Periscope Separation	-	-	-

Supplement 4 - Frequency Data	MR or NU	RM or UN	MM
8) Tolerance*	Enter the Actual Value	Enter the Actual Value	Enter Highest Used Value
9) EIRP	Enter Highest Used Value	Enter Highest Used Value	Enter Highest Used Value
10) Emission Designator*	Enter the Actual Value	Enter the Actual Value	Enter Highest Used Value <sup>1</sup>
13) Transmitter Make*	Enter the Actual Value: except paths for MAS or DEMS Sub-Type of Operation Multiple Two-way Master-Remote/Nodal-User and Multiple One-way Outbound Master, enter the Typical Value	Enter the Typical Value	Enter the Typical Value
14) Transmitter Model*	Enter the Actual Value: except Multiple Two-way Master-Remote, enter the Typical Value	Enter the Typical Value	Enter the Typical Value
15) ATPC	Enter the Actual Value	Enter the Actual Value	Enter the Actual Value

<sup>1</sup> For Emission Designators for Type of Operation MAS and Sup-Type Mobile Master, those with the widest bandwidths and most general emission types are the highest used values; for band-wide requests, do not enter more than 4 such emission designators to satisfy this requirement.



Technical Data Schedule for the  
Fixed Microwave and Microwave Broadcast Auxiliary Services  
(Parts 101 and 74)

Administrative Information

1) Is this application being filed as part of a pack? ( ) <u>Yes</u> /No		
2a) If the answer to Item 1 is 'Yes', enter the pack identification number (required if the pack identification number has already been assigned by the FCC):		
2b) Pack Name:		
3) Type of Operation (refer to instructions) Check One Only: ( ) Permanent Fixed Point to Point                      ( ) 18 GHz Low Power ( ) Multiple Address System (MAS)                      ( ) 31 GHz ( ) Temporary Fixed/Mobile                      ( ) 38 GHz ( ) Digital Electronic Message Service (DEMS)	4) Station Class:	5) DEMS only: SMSA:
6) If this request is for a Modification, Renewal/Modification, or Amendment of a currently pending application, does it, along with all minor Modification or Amendment requests filed since the last major action granted by the Commission produce a cumulative effect that would equal or exceed the criteria for a major filing? ( ) <u>Yes</u> /No		

Control Point (Technical Point of Contact)

7) Action A/M	8) Location Street Address, City or Town, County, State	9) Telephone Number

Broadcast Auxiliary Only

If there is an associated Parent Station, provide:	10a) Facility Id of Parent Station:	10b) Class of Parent Station:	10c) City and State of Parent Station Principal Community:
If there is no associated parent station, applicant certifies that it is a Broadcast Network Entity and completes Item 11.			11) State of Primary Operation:

Frequency Coordination Information

12) Has frequency coordination been completed for this application? ( ) <u>Yes</u> /No		
Complete Items 13 through 15 if not self-coordinated		
13) Frequency Coordination Number	14) Name of Frequency Coordinator	15) Telephone Number

# Transmit Location Data

## Transmit Location Information

1) Action Requested: (    ) <u>Add a New Transmit Location</u> (for New Licenses Only) <u>Modify an Existing Location</u> (for Existing Licenses Only)	
2) Transmit Location Name:	
3) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311. (    ) <u>Yes</u> <u>No</u>	
4) If the proposed site is located in one of the quiet zones listed in Item 4 of the Instructions, provide the date the proper authority was notified:	

## Fixed Transmit Location

5) FCC Antenna Structure Registration # or N/A (FAA Notification not Required):		
6) Latitude (DD-MM-SS.S): (    ) <u>N</u> or <u>S</u>	7) Longitude (DDD-MM-SS.S): (    ) <u>E</u> or <u>W</u>	
8) Street Address or Other Location Description:		
9) City:	10) County:	11) State:
12) Elevation of Location AMSL (meters) ( 'a' in Antenna Structure Sample Figures):	13) Support Structure Type:	
14) Overall Ht AGL Without Appurtenances (meters) ( 'b' in Antenna Structure Sample Figures):	15) Overall Ht AGL With Appurtenances (meters) ( 'c' in Antenna Structure Sample Figures):	

## Area Transmit Location

16) Area of Operation Code:		17) Temporary Fixed or Mobile Radius (km):	
18) Latitude (DD-MM-SS.S): (    ) <u>N</u> or <u>S</u>	19) Longitude (DDD-MM-SS.S): (    ) <u>E</u> or <u>W</u>		
20) Maximum Latitude (DD-MM-SS.S): Use for rectangle only NAD83	21) Maximum Longitude (DDD-MM-SS.S): Use for rectangle only NAD83		
22) City:	23) County:	24) State:	
25) Is any part of your operation North of Line A? (    ) <u>Yes</u> <u>No</u> Is any part of your operation East of Line C? (    ) <u>Yes</u> <u>No</u>			
26) Description: (Only for Area of Operation Code 'O')			

# FCC Form 601

## Schedule I

### Supplement 2

### Path Data

#### Transmit Location

1) Transmit location name:		2) Path number:	
3) Latitude (DD-MM-SS.S):		4) Longitude (DDD-MM-SS.S):	
5) Action Requested: (    ) <u>Add New Path</u> <u>Modify Existing Path</u> <u>Delete Existing Path</u>			
6a) For MAS or DEMS only, MAS or DEMS Sub-Type of Operation (Enter only one per path): <b>MAS or DEMS</b> (    ) Fixed Two-way Master-Remote/Nodal-User                      (    ) Multiple Two-way Master-Remote/Nodal-User <b>MAS ONLY</b> (    ) Fixed One-way Outbound Master                      (    ) Multiple One-way Outbound Master (    ) Fixed One-way Inbound Master                      (    ) Mobile Master		6b) Path code (Enter only one per path): <b>MAS</b> (    ) Remote to Master (    ) Master to Remote <b>DEMS</b> (    ) Nodal to User (    ) User to Nodal	

#### Transmit Antenna

7) Antenna Manufacturer:		8) Antenna Model Number:	
9) Height to Center of Antenna AGL (meters):	10) Beamwidth (degrees):	11) Antenna Gain (dBi):	
12) Diversity Antenna Height AGL (meters):	13) Diversity Beamwidth (degrees):	14) Diversity Antenna Gain (dBi):	
15) Elevation (Tilt) Angle (degrees):	16) Polarization:	17) Azimuth to RX Location or Passive Repeater (degrees):	
18) Periscope Reflector Dimensions (meters): Height:                      Width:		19) Periscope Reflector Separation (meters):	
20) Does this path include passive repeater? (    ) <u>Yes</u> <u>No</u>			
21) If the final receiver is located outside of the United States, enter the country in the space provided and attach an exhibit explaining circumstances			
22) Does this filing add or modify emanations in the 5925-6425 MHz band pointed within 2 degrees of the Geostationary Satellite Arc? *If 'Yes', attach waiver request explaining circumstances. (    ) <u>Yes</u> <u>No</u>			

#### Final Receiver

23) Receiver Location Name:		24) Call Sign:	
25) Latitude (DD-MM-SS.S): <b>NAD83</b> (    ) <u>N</u> or <u>S</u>	26) Longitude (DDD-MM-SS.S): <b>NAD83</b> (    ) <u>E</u> or <u>W</u>	27) Ground Elevation (meters):	
28) Receiver antenna manufacturer:		29) Receiver antenna model number:	
30) Height to Center of RX Antenna AGL (meters):	31) RX Antenna Beamwidth (degrees):	32) RX Antenna Gain (dBi):	
33) Diversity RX Antenna Height AGL (meters):	34) Diversity RX Antenna Beamwidth (degrees):	35) Diversity RX Antenna Gain (dBi):	
36) RX Periscope Reflector Dimensions (meters): Height:                      Width:		37) RX Periscope Reflector Separation (meters):	

Passive Repeaters (PR)

Transmit Location

1) Transmit Location Name:	2) Path Number:
3) Latitude (DD-MM-SS.S):	4) Longitude (DDD-MM-SS.S):

5) Action Requested: ( ) <u>Add New Passive Repeater</u> <u>Modify Existing Passive Repeater</u> <u>Delete Existing Passive Repeater</u>
--

Passive Repeater Location Information

6) Passive Repeater Id: ( )		7) Passive Repeater Sequence Number: ( )	
8) Passive Repeater Location Name:			
9) FCC Antenna Structure Registration # or N/A (FAA Notification Not Required):			
10) Latitude (DD-MM-SS.S): <div style="text-align: right;">NAD83 ( ) <u>N</u> or <u>S</u></div>		11) Longitude (DDD-MM-SS.S): <div style="text-align: right;">NAD83 ( ) <u>E</u> or <u>W</u></div>	
12) Elevation of Location AMSL (meters) ( 'a' in figures):		13) Support Structure Type:	
14) Overall Ht AGL Without Appurtenances (meters) ( 'b' in figures):		15) Overall Ht AGL With Appurtenances (meters) ( 'c' in figures):	
16) Passive Repeater Antenna Manufacturer:		17) Passive Repeater Antenna Model Number:	
18) Height to Center of Passive Repeater Antenna AGL (meters):	19) Back-to-Back RX Dish Gain (dBi):	20) Back-to-Back TX Dish Gain (dBi):	
21) Reflector Dimensions (meters):  Height:                      Width:	22) Transmit Polarization:	23) Azimuth to RX Location or Next Passive Repeater:	
24) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. ( ) <u>Yes</u> <u>No</u> If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311.			

# Frequency Data

## Transmitter Location Information

1) Transmit Location Name:	2) Path Number:
3) Latitude (DD-MM-SS.S):	4) Longitude (DDD-MM-SS.S):

## Frequency Information

5) Action A/M/D	6) Lower or Center Frequency	7) Upper Frequency (MHz)	8) Tolerance (%)	9) EIRP (dBm)	10 Emission Designator	11) Digital Modulation Rate	12) Digital Modulation Type
	13) Transmitter Manufacturer		14) Transmitter Model	15) Automatic Transmitter Power Control			

5) Action A/M/D	6) Lower or Center Frequency	7) Upper Frequency (MHz)	8) Tolerance (%)	9) EIRP (dBm)	10 Emission Designator	11) Digital Modulation Rate	12) Digital Modulation Type
	13) Transmitter Manufacturer		14) Transmitter Model	15) Automatic Transmitter Power Control			

5) Action A/M/D	6) Lower or Center Frequency	7) Upper Frequency (MHz)	8) Tolerance (%)	9) EIRP (dBm)	10 Emission Designator	11) Digital Modulation Rate	12) Digital Modulation Type
	13) Transmitter Manufacturer		14) Transmitter Model	15) Automatic Transmitter Power Control			

5) Action A/M/D	6) Lower or Center Frequency	7) Upper Frequency (MHz)	8) Tolerance (%)	9) EIRP (dBm)	10 Emission Designator	11) Digital Modulation Rate	12) Digital Modulation Type
	13) Transmitter Manufacturer		14) Transmitter Model	15) Automatic Transmitter Power Control			

Quick-Form Application for Authorization in the Ship, Aircraft,  
Amateur, Restricted and Commercial Operator, and the  
General Mobile Radio Services

1) Radio Service Code:

Application Purpose (Select only one) ( )

2)	NE - New MD - Modification AM - Amendment	RO - Renewal Only RM - Renewal/Modification CA - Cancellation of License	WD - Withdrawal of Application DU - Duplicate License AU - Administrative Update
3)	If this request is for a <u>S</u> TA (Special Temporary Authorization) enter 'S' attached the required exhibit as described in the instructions. Otherwise enter <u>N</u> (Not Applicable).		( ) <u>S</u> <u>N/A</u>
4)	If this request is for an Amendment or Withdrawal of Application, enter the file number of the pending application currently on file with the FCC. Attach additional sheets if necessary.		File Number
5)	If this request is for a Modification, Renewal Only, Renewal/Modification, Cancellation of License, Duplicate License, or Administrative Update, enter the call sign of the existing FCC license. Attach additional sheets if necessary.		Call Sign
6)	Does this filing request a Waiver of the Commission's rules? If 'Y', attach the required showing as described in the instructions.		( ) <u>Yes</u> <u>No</u>
7)	Are attachments (other than associated schedules) being filed with this application?		( ) <u>Yes</u> <u>No</u>

Applicant Information

8a) Taxpayer Identification Number:			8b) SGIN:	
9) Applicant/Licensee is a(n): ( )				
<u>Individual</u>		<u>Unincorporated Association</u>		<u>Trust</u>
<u>Corporation</u>		<u>Limited Liability Corporation</u>		<u>Partnership</u>
<u>Government Entity</u>		<u>Joint Venture Consortium</u>		
10) First Name (if individual):	MI:	Last Name:	Suffix:	
11) Entity Name (if other than individual):				
12) Attention To:				
13) P.O. Box:	And/Or	14) Street Address:		
15) City:	16) State:	17) Zip:		
18) Telephone Number:	19) FAX:			
20) E-Mail Address:				

Fee Status

21) Is the applicant exempt from FCC application fees?	( ) <u>Yes</u> <u>No</u>
22) Is the applicant exempt from FCC regulatory fees?	( ) <u>Yes</u> <u>No</u>

### General Certification Statements

1) The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application.
2) The applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.
3) Neither the Applicant nor any member thereof is a foreign government or a representative thereof.
4) The applicant certifies that neither the applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. See Section 1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification.
5) Amateur or GMRS Applicant certifies that the construction of the station would NOT be an action which is likely to have a significant environmental effect (see the Commission's Rules 47 CFR Sections 1.1301-1.1319 and Section 97.13(a).
6) Amateur Applicant certifies that they have READ and WILL COMPLY WITH Section 97.13(c) of the Commission's Rules regarding RADIOFREQUENCY (RF) RADIATION SAFETY and the amateur service section of OST/OET Bulletin Number 65.

### Certification Statements For GMRS Applicants

1) Applicant certifies that he or she is claiming eligibility under Rule Section 95.5 of the Commission's Rules.
2) Applicant certifies that he or she is at least 18 years of age.
3) Applicant certifies that he or she will comply with the requirement that use of frequencies 462.650, 467.650, 462.700 and 467.700 MHz is not permitted near the Canadian border North of Line A and West of Line C. These frequencies are used throughout Canada and harmful interference is anticipated.

### Signature

#### 23) Typed or Printed Name of Party Authorized to Sign

First Name:	MI:	Last Name:	Suffix:
24) Title:			
Signature:			25) Date:

Failure To Sign This Application May Result In Dismissal Of The Application And Forfeiture Of Any Fees Paid

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).**

Information and Instructions

**Quick-Form Application for Authorization in the Ship, Aircraft, Amateur,  
Restricted and Commercial Operator,  
and General Mobile Radio Services**

**NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT OF 1974 AND  
THE PAPERWORK REDUCTION ACT OF 1995**

We have estimated that each response to this collection of information will take on average .44 hours. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, AMD-PERM, Washington, DC 20554, Paperwork Reduction Project (3060-xxxx). We will also accept your comments via the Internet if you send them to [jboley@fcc.gov](mailto:jboley@fcc.gov). *Please do not send completed application forms to this address.*

You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection unless it displays a currently valid OMB control number with this notice. This collection has been assigned OMB control number 3060-xxxx.

The FCC is authorized under the Communications Act of 1934, as amended, to collect the personal information we request in this form. We will use the information you provide to determine whether approving this application is in the public interest. If we believe there may be a violation or potential violation of a statute, FCC regulation, rule or order, your application may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing or implementing the statute, rule, regulation or order. In certain cases, the information in your application may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government, is a party to a proceeding before the body or has an interest in the proceeding.

If you owe a past due debt to the Federal government, the Taxpayer Identification Number (i.e., your Employer Identification Number or Social Security Number) and other information you provide may also be disclosed to the Department of Treasury Financial Management Service, other federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide this information to these agencies through the matching of computer records when authorized.

In addition, all information provided in this form, except Taxpayer Identification Number, will be available for public inspection. If you do not provide the information we request on the form, the FCC may delay processing of your application or may return your application without action.

This notice is required by the Privacy Act of 1974, Public Law 93-579, December 31, 1974, 5 U.S.C. Section 552a(e)(3) and the Paperwork Reduction Act of 1995, Public Law 104-13, October 1, 1995, 44 U.S.C. 3507.





## Overview

### Purpose of Form

Form FCC 605 is a multi-purpose form. It is used to apply for an authorization to operate radio stations, amend pending applications, modify existing licenses, and perform a variety of other miscellaneous transactions (refer to page 4 and 5 of these instructions for a detailed list) in the Wireless Telecommunications Bureau (WTB) radio services. This includes the Ship Radio, Aircraft Radio, Amateur Radio, Restricted and Commercial Operator Radio, and the General Mobile Radio [GMRS] Services. The purpose of this form is to collect data pertaining to the proposed request. This data is used by the FCC to determine whether the public interest would be served by a grant of the request.

Form FCC 605 replaces Forms FCC 404, 404A, 405A, 405B, 506, 506A, 574 (GMRS), 574R (GMRS), 574T (GMRS), 610, 610R, 610V, 753, 755, and 756 for all purposes.

### Introduction

FCC Form 605 is a multi-part form comprising a main form and several schedules. Each application or amendment must contain only one Main Form (Pages 1 and 2) but may contain as few or as many of the optional schedules as necessary or required.

### Main Form

The purpose of the Main Form is to obtain information sufficient to identify the filer and establish the filer's basic eligibility and qualifications. The Main Form also contains the required certification and signature block. The Main Form is required for every application or amendment filed on FCC Form 605.

### Schedules

The purposes of the optional schedules are as follows:

### Schedules Required

If you are applying for an authorization which requires you to report additional data, file the additional data schedule appropriate to the service for which you are applying along with the FCC 605 Main Form:

Service	ULS Form/Schedule Title
Ship Radio Service (47 CFR Part 80)	Main Form 605 - Quick-Form Application for Authorization Schedule B - Schedule for Additional Data for the Ship Radio Service
Aircraft Radio Service (47 CFR Part 87)	Main Form 605 - Quick-Form Application for Authorization Schedule C - Schedule for Additional Data for the Aircraft Radio Service
Amateur Radio Service (47 CFR Part 97)	Main Form 605 - Quick-Form Application for Authorization Schedule D - Schedule for Additional Data in the Amateur Radio Service Schedule D -Part 1 - Amateur Station Call Sign Change and Vanity Call Sign Request Information Schedule D -Part 2 - Physician's Certification for Disability
Commercial Radio Operator, Restricted Radiotelephone, and Restricted Radiotelephone-Limited Use Radio Services (47 CFR Part 13)	Main Form 605 - Quick-Form Application for Authorization Schedule E - Part 1 - Schedule for Additional Data
General Mobile Radio Service [GMRS] (47 CFR Part 95)	Main Form 605 - Quick-Form Application for Authorization

### Schedule A

The Schedule for Changes Affecting Multiple Call Signs or File Numbers is used to submit global changes to items on the FCC 605 Main Form that affect either multiple call signs or multiple file numbers.

### Schedule B

The Schedule for Additional Data for the Ship Radio Service (47 CFR Part 80) is used to submit the required additional parameters for ship stations. This schedule is used in conjunction with the Main Form.

### Schedule C

The Schedule for Additional Data for the Aircraft Radio Service (47 CFR Part 87) is used to submit the required additional parameters for aircraft stations. This schedule is used in conjunction with the Main Form.

### Schedule D

The Schedule for Additional Data for the Amateur Radio Service (47 CFR Part 97) is used to submit the required additional parameters for amateur stations. This schedule is used in conjunction with the Main Form.

### Schedule E

The Schedule for Additional Data for Commercial Radio Operators, Restricted Radiotelephone, and Restricted Radiotelephone-Limited Use Radio Services (47 CFR Part 13) is used to submit the required additional parameters for these licenses and permits. This schedule is used in conjunction with the main form.

### Schedule F

The Temporary Operator Permit for the Ship, Aircraft, Restricted Radiotelephone, Restricted Radiotelephone-Limited Use, and GMRS Radio Services is used to obtain a Temporary Operator Permit while the applicant's application is being processed by the Commission. This schedule can only be completed and retained by the applicant upon submission of a completed and signed FCC 605 Main Form and appropriate Additional Data Schedule to the FCC.

# General Filing Instructions

## **Information Current and Complete**

Information filed with the FCC must be kept current and complete. The applicant must notify the FCC regarding any substantial and significant changes in the information furnished in the application(s). See Section 1.65 of the Commission's rules.

## **Applicable Rules and Regulations**

Applicants should obtain the relevant parts of the FCC's rules in 47 CFR. Copies of 47 CFR may be purchased from the Superintendent of Documents; Government Printing Office; Washington, DC 20402; (202) 512-1800. Refer also to the Government Printing Office's Website at <http://www.access.gpo.gov>.

## **Processing Fee and Filing Locations**

A processing fee may be required with this form. To determine the required fee amount, refer to Subpart G of Part 1 of the Code of Federal Regulations (47 CFR Part 1, Subpart G) and the current Wireless Telecommunications Bureau Fee Filing Guide. For assistance with fees applicable to the radio services governed by the FCC's rules, call (202) 418-0220 or 1-888-CALL-FCC (225-5322). The Fee Filing Guide can be downloaded from the FCC's Internet site @ <http://www.fcc.gov/fees/wtbguide.html> or obtained by calling the FCC's Forms Distribution Center at (800) 418-3676.

Paper applications requiring a fee must be submitted to Federal Communications Commission, Wireless Bureau Applications, P. O. Box 358130, Pittsburgh, PA, 15251-5130.

Non-feeable paper applications should be mailed to Federal Communications Commission, 1270 Fairfield Road, Gettysburg, PA 17325-7245.

## **Packages**

If filing manually, the Main Form and the applicable schedules should be submitted as one package, stapled in the upper left corner. The Main Form should be first with the schedules attached in alphabetical order. Applicants filing electronically are not required to submit paper copies.

## **Paper Copies**

The number of paper copies of this application required to be filed is one original. Applicants filing electronically are not required to submit paper copies.

## **Exhibits**

Each document required to be filed as an exhibit should be current as of the date of filing. Each page of every exhibit must be identified with the number or letter of the exhibit, the number of the page of the exhibit, and the total number of pages of the exhibit. If material is to be incorporated by reference, see the instruction on incorporation by reference.

## **Incorporation by Reference**

You may incorporate by reference documents, exhibits, or other lengthy showings already on file with the FCC only if: the information previously filed is more than one 8½" by 11" page in length, and all information therein is current and accurate in all significant respects; the reference states specifically where the previously filed information can be found (*i.e.*, station call sign and application file number, title of proceeding, docket number and legal citations), including exhibit and page references. Use the relevant item number followed by 'A'. Items that call for numbers, or which can be answered 'Y' or 'N' or other short answers must be answered directly without reference to a previous filing.

## **Waiver Requests**

Requests for waiver must contain as an exhibit a statement of reasons sufficient to justify a waiver. The required showing must be made for all rule waivers desired, identifying the specific rules or policies for which the waiver is requested. Refer to the Wireless Telecommunications Bureau Fee Filing Guide for fee requirements for waivers. For assistance with fees applicable to the radio services governed by the FCC's rules, call (202) 418-0220 or 1-888-CALL-FCC (225-5322), or e-mail questions to [FCCITD@fcc.gov](mailto:FCCITD@fcc.gov).

### **English to Metric Conversions**

All distances must be provided as metric values. The following English to Metric equivalent should be used to convert distances (rounded to the nearest tenth), where necessary:

1 foot = 0.3048 meter

### **For Assistance**

For assistance with this application, contact the Federal Communications Commission, 1270 Fairfield Road, Gettysburg, PA 17325-7245, call 1-888-CALL-FCC (225-5322), or e-mail questions to FCCITD@fcc.gov.

### **Electronic Filers**

Applicants filing electronically should follow procedures contained in online help files. For technical assistance with filing electronically, contact the Wireless Telecommunications Bureau Technical Support line, (202) 414-1250.

## **Instructions for Form FCC 605 Main Form**

FCC Form 605, Main Form, is used to obtain information sufficient to identify the filer and the purpose of the filing. The Main Form is required for every application or amendment filed on FCC Form 605. Regardless of Purpose of Application, all items on the Main Form must be completed according to the instructions below.

### **•Radio Service Code**

**Item 1** You must enter the Radio Service Code for which the applicant is filing by inserting the appropriate two-letter code from the following list:

<b>Ship Radio Service (47 CFR Part 80)</b>	
Ship Recreational or Voluntarily Equipped .....	SA
Ship Compulsory Equipped .....	SB
<b>Aircraft Radio Service (47 CFR Part 87)</b>	
Aircraft .....	AC
<b>Amateur Radio Service (47 CFR Part 97)</b>	
Amateur .....	HA
Vanity .....	HV
<b>Commercial Radio Operators Services (47 CFR Part 13)</b>	
Restricted Radiotelephone .....	RR
Restricted Radiotelephone-Limited Use .....	RR
Commercial .....	CM
<b>General Mobile Radio Service (47 CFR Part 95)</b>	
General Mobile Radio Service .....	ZA

### **•Application Purpose**

**Item 2** You must indicate the purpose for which the application is being filed by inserting the appropriate two-letter abbreviation from the following list. Only one purpose may be specified. For the General Mobile Radio Service [GMRS], effective January 1, 1989, 'new' or 'major modifications' may not be filed by business applicants.

**NE - New:** To request a new license. This purpose should only be used for initial applications. A change in vessel or aircraft constitutes a need for a new license.

**MD - Modification:** To request a change in the conditions of any data for a license during the term of that license. Use Item 5 to provide the call sign of the affected station. The appropriate schedule must be completed and attached, and must accurately describe the data that has been modified. See applicable Commission rules.

**Note:** After a license is modified, the FCC will issue a new license and previous versions of the license will no longer be valid, regardless of the expiration date shown. License terms will not be extended as a result of an application for Modification.

**Note:** If the only changes desired are to administrative data, use the Administrative Update purpose instead of Modification (see Administrative Update purpose, below, for further description of administrative updates).

**AM - Amendment:** To amend a previously-filed, currently pending application(s). Use Item 4 to provide the File Number(s) of the affected pending application(s). The appropriate schedule must be completed and attached, and must accurately reflect the amended data. See applicable Commission rules.

**RO - Renewal Only:** To renew an existing authorization that has not expired and where no changes in the conditions are being requested at the time of renewal. (To make any modifications to your existing authorization use the Renewal/Modification purpose.) Use Item 5 to provide the Call Sign(s) of the affected station(s).

**RM - Renewal/Modification:** To renew an existing authorization and request a change in the conditions for that authorization. Use Item 5 to provide the call sign of the affected station. The appropriate schedule must be completed and attached, and must accurately reflect the data that has been modified.

**CA - Cancellation of License:** To cancel an existing license. Use Item 5 to provide the Call Sign(s) of the affected station(s).

**WD - Withdrawal of Application:** To withdraw a previously-filed, currently pending application(s). Use Item 4 to provide the File Number(s) of the affected pending application(s).

**DU - Duplicate License:** To request a hardcopy duplicate of an existing license(s). Use Item 5 to provide the Call Sign(s) of the affected station(s).

**AU - Administrative Update:** To request a change of any administrative data on a license. These changes are limited to the following: Changes in license name (without a change in ownership, control or corporate structure), and changes in name of vessel, changes in mailing address, phone number, fax number, and email address. Use Item 5 to provide the call sign of the affected station. If the administrative update is needed for multiple call signs, complete and attach Schedule for Changes Affecting Multiple Call Signs or File Numbers, Form FCC 605, Schedule A.

**Note:** After a license is modified, the FCC will issue a new license and previous versions of the license will no longer be valid, regardless of the expiration date shown. License terms will not be extended as a result of an application for an Administrative Update.

**Item 3** In emergencies or other urgent conditions requiring immediate or temporary use of facilities, request may be made for special temporary authority (STA) to install and/or operate new or modified equipment, subject to the appropriate requirements governing Special Temporary Authorizations contained in the FCC rules. If the filing is requesting an STA, enter 'S'; otherwise enter 'N' (Not Applicable). If item 3 is answered 'S', attach an exhibit including the following information: description of the nature of the extraordinary circumstance, equipment to be used, type of operation to be conducted, explanation of how the facilities will be used, times and dates of operation, and a list of airports and/or ports that will be visited.

**Note:** Special Temporary Authorizations are applicable only to Ship and Aircraft applicants.

**Item 4** If the filing is a request for an Amendment or Withdrawal of a pending application(s) on file with the FCC, enter the File Number(s) of the original application(s). This information can be obtained by contacting the FCC at 1-888-225-5322.

**Item 5** If the filing is a request for a modification, renewal only, renewal/modification, cancellation, duplicate, or administrative update of an existing license, enter the Call Sign of the affected license in item 5. If the filing is a request for a renewal only, cancellation or duplicate of an existing license(s), enter the Call Sign(s) of the affected license(s) in item 5. This information can be obtained by contacting the FCC at 1-888-225-5322.

**Item 6** If the filing is requesting a Waiver or Exception of the Commission's Rules, enter 'Y'; otherwise, enter 'N'. If item 6 is answered 'Y', attach an exhibit including a statement of reasons sufficient to justify a waiver. The required showing must be made for all rule waivers desired, identifying the specific rules or policies for which the waiver is requested. Refer to the Wireless Telecommunications Bureau Fee Filing Guide for fee requirements for waivers. For assistance with fees applicable to the radio services governed by the FCC's rules, call (202) 418-0220 or 1-888-CALL-FCC (225-5322).

**Item 7** Enter 'Y' if attachments (other than associated schedules) are being filed with this application. Otherwise, enter 'N'.

## ►Applicant Information

Items 8 through 20 identify the applicant. If an authorization is granted, the information provided will become the licensee's name, address, and telephone number of record. The FCC will send the authorization and notice of all final dispositions of an application to this address. Failure to provide the FCC with a current and valid mailing address in the United States, and the subsequent failure to respond to FCC correspondence sent to the specified address may result in dismissal of an application, and/or liability for forfeiture, or revocation of your authorization to operate a radio station.

**Item 8a** If Item 9 is I (for Individual), you must enter the Social Security Number (SSN) of the individual person applying in Item 10. Otherwise, you must enter the Employer Identification Number (EIN) of the entity in Item 11. This data is required to comply with the Debt Collection Improvement Act of 1996. This information will not be made available for public inspection.

**Item 8b** This item must be filled out if in addition to providing a TIN, you have obtained a Sub-Group Identification Number (SGIN) from the FCC. A SGIN is required in instances where the applicant or licensee does not have a unique TIN because it is a sub-group or department of the entity identified by the TIN (e.g., a governmental entity or academic institution) and therefore shares the TIN with other subgroups or departments of the same entity. The SGIN allows each sub-group to track the licenses it holds. The SGIN is not needed for entities that have a unique TIN that is not used by any other licensee.

**Item 9** This item must be completed. Enter the appropriate code which indicates the legal entity type of the applicant. Enter 'I' for Individual, 'U' for Unincorporated Association, 'T' for Trust, 'G' for Government Entity, 'C' for Corporation, 'L' for Limited Liability Corporation, 'P' for Partnership, 'J' for Joint Venture, or 'O' for Consortium.

**Note:** For GMRS: effective January 1, 1989, new or major modification applications may NOT be filed by business applicants.

**Items 10 and 11** If Item 9 is I (for Individual), you must enter the name of the individual person applying in Item 10. Otherwise, you must enter the name of the entity in Item 11.

**Items 12-18** Enter the name, address, and telephone number of the person to whom the FCC should send correspondence. You may enter a post office box number in Item 13 or a street address in Item 14, or enter information for both items. Enter the city, state, and zip code in Items 15, 16, and 17, respectively. Refer to FCC 605 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations. Enter a telephone number, including area code, in Item 18.

**Items 19 and 20** Enter the applicant's fax number and e-mail address, if desired and available.

## ►Fee Status

**Items 21-22** These items allow the applicant to apply for exemption from FCC application fees and regulatory fees. See the instructions for FCC Remittance Advice, FCC Form 159.

## ►General Certification Statements

By signing this form, the applicant certifies that the statements listed in this section are true, complete, correct, and made in good faith.

## ►Certification Statements for GMRS Applicants

By signing this form, GMRS applicants certify that the statements listed in this section are true, complete, correct, and made in good faith.

## ►Signature

**Items 23-25** These items must be completed. To be acceptable for filing, applications and amendments must be signed in accordance with Part 1 of the FCC rules. The signor must be a person authorized to sign the application. Paper originals of applications must bear an original signature, neither rubber-stamped nor photocopied signatures are acceptable. Any application lacking an original signature may be dismissed for non-compliance with FCC Rules and the fee forfeited. Be sure all necessary attachments are included with the application.

## Appendix II

### STATE TABLE

#### Abbreviations for States, Jurisdictions, and Areas

AL	Alabama	NJ	New Jersey
AK	Alaska	NM	New Mexico
AZ	Arizona	NY	New York
AR	Arkansas	NC	North Carolina
CA	California	ND	North Dakota
CO	Colorado	OH	Ohio
CT	Connecticut	OK	Oklahoma
DE	Delaware	OR	Oregon
DC	District of Columbia	PA	Pennsylvania
FL	Florida	RI	Rhode Island
GA	Georgia	SC	South Carolina
GM	Gulf of Mexico	SD	South Dakota
HI	Hawaii	TN	Tennessee
ID	Idaho	TX	Texas
IL	Illinois	UT	Utah
IN	Indiana	VT	Vermont
IA	Iowa	VA	Virginia
KS	Kansas	WA	Washington
KY	Kentucky	WV	West Virginia
LA	Louisiana	WI	Wisconsin
ME	Maine	WY	Wyoming
MD	Maryland	AS	American Samoa
MA	Massachusetts	GU	Guam
MI	Michigan	UM	Midway Island
MN	Minnesota	MP	Northern Mariana Islands
MS	Mississippi	PR	Puerto Rico
MO	Missouri	VI	Virgin Islands
MT	Montana	UM	Wake Islands
NE	Nebraska		
NV	Nevada		
NH	New Hampshire		

**Schedule for Request for Extension of Time for  
Consummation of Assignment of Authorization  
or Transfer of Control**

Approved by OMB  
3060 - 0800  
See Main Form instructions  
for public burden estimate

**Request for Extension of Time for Consummation of Assignment of Authorization or Transfer of Control**

File Number of Assignment of Authorization or Transfer of Control:	New Consummation expiration date requested:
Attach exhibit describing circumstances/justification.	

**Schedule for Request for Extension of Time for  
Consummation of Assignment of Authorization  
or Transfer of Control**

Approved by OMB  
3060 - 0800  
See Main Form instructions  
for public burden estimate

Form FCC 603, Schedule E, is a supplementary schedule for use with the FCC Application for Assignments of Authorization and Transfers of Control, FCC 603 Main Form. Complete this schedule to request additional time to consummate an assignment of authorization or transfer of control. The FCC 603 Main Form must be filed in conjunction with this schedule.

**Schedule E  
Instructions**

Enter the file number of the application for Assignment of Authorization or Transfer of Control, and the requested expiration date for the consummation. You must also attach an exhibit describing the circumstances and justification for this extension of time request.

**Notification of Consummation of Assignment of Authorization or Transfer of Control**

File Number of Assignment of Authorization or Transfer of Control:	Date of Consummation:
--	-----------------------

Form FCC 603 Schedule D is a supplementary schedule for use with the FCC Application for Assignments of Authorization and Transfers of Control, FCC 603 Main Form. Complete this schedule to notify the FCC that, within the required time period, either an assignment of authorization or transfer of control has been consummated. The FCC 603 Main Form must be filed in conjunction with this schedule.

**Schedule D  
Instructions**

In this section, enter the file number of the application for Assignment of Authorization or Transfer of Control, and the date that the transaction was consummated.



Undefined Geographical Area Partitioning Schedule

For each undefined geographic area, complete up to 120 Latitude/Longitude combinations for every 3 degrees azimuth, using NAD83 Datum

Latitude (DD-MM-SS.S-D)		Longitude (DDD-MM-SS.S-D)		Latitude (DD-MM-SS.S-D)		Longitude (DDD-MM-SS.S-D)	
61				91			
62				92			
63				93			
64				94			
65				95			
66				96			
67				97			
68				98			
69				99			
70				100			
71				101			
72				102			
73				103			
74				104			
75				105			
76				106			
77				107			
78				108			
79				109			
80				110			
81				111			
82				112			
83				113			
84				114			
85				115			
86				116			
87				117			
88				118			
89				119			
90				120			

**Undefined Geographical Area Partitioning Schedule**

For each undefined geographic area, complete up to 120 Latitude/Longitude combinations for every 3 degrees azimuth, using NAD83 Datum

Latitude (DD-MM-SS.S-D)		Longitude (DDD-MM-SS.S-D)		Latitude (DD-MM-SS.S-D)		Longitude (DDD-MM-SS.S-D)	
1				31			
2				32			
3				33			
4				34			
5				35			
6				36			
7				37			
8				38			
9				39			
10				40			
11				41			
12				42			
13				43			
14				44			
15				45			
16				46			
17				47			
18				48			
19				49			
20				50			
21				51			
22				52			
23				53			
24				54			
25				55			
26				56			
27				57			
28				58			
29				59			
30				60			

## Assignments of Authorization

### 1) Assignee Eligibility for Installment Payments (for assignments of authorization only)

Is the Assignee or Transferee claiming the same category or a smaller category of eligibility for installment payments as the Assignor or Transferor (as determined by the applicable rules governing the licenses issued to the Assignor)? ( ) Yes No

If 'Yes', is the Assignee or Transferee applying for installment payments? ( ) Yes No

### 2) Gross Revenues and Total Assets Information (if required) (for assignments of authorization only)

Refer to applicable auction rules for method to determine required gross revenues and total assets information

Year 1 Gross Revenues (current)	Year 2 Gross Revenues	Year 3 Gross Revenues	Total Assets:

### 3) Certification Statements

#### For Assignees Claiming Eligibility as an Entrepreneur Under the General Rule

Assignee certifies that they are eligible to obtain the licenses for which they apply.

#### For Assignees Claiming Eligibility as a Publicly Traded Corporation

Assignee certifies that they are eligible to obtain the licenses for which they apply and that they comply with the definition of a Publicly Traded Corporation, as set out in the applicable FCC rules.

#### For Assignees Claiming Eligibility Using a Control Group Structure

Assignee certifies that they are eligible to obtain the licenses for which they apply.

Assignee certifies that the applicant's sole control group member is a pre-existing entity, if applicable.

#### For Assignees Claiming Eligibility as a Very Small Business, Very Small Business Consortium, Small Business, or as a Small Business Consortium

Assignee certifies that they are eligible to obtain the licenses for which they apply.

Assignee certifies that the applicant's sole control group member is a pre-existing entity, if applicable.

#### For Assignees Claiming Eligibility as a Rural Telephone Company

Assignee certifies that they meet the definition of a Rural Telephone Company as set out in the applicable FCC rules, and must disclose all parties to agreement(s) to partition licenses won in this auction. See applicable FCC rules.

## Transfers of Control

### 4) Licensee Eligibility (for transfers of control)

As a result of the transfer of control, must the licensee now claim a larger or higher category of eligibility than was originally declared? ( ) Yes No

If 'Yes', the new category of eligibility of the licensee is: \_\_\_\_\_

### Certification Statement for Transferees

Transferee certifies that the answers provided in Item 4 are true and correct.

1) Partitioner/Disaggregator Call Sign:

**Geographic Area Partitioned**

2) Defined Area to be Partitioned	3) Undefined Area to be Partitioned (Complete undefined geographic area attachment)	4) Population of Partitioned Area
	Schedule C # Attached:	

**5) Spectrum Disaggregated (in MHZ)**

Spectrum Disaggregated		Spectrum Disaggregated		Spectrum Disaggregated	
Lower Frequency	Upper Frequency	Lower Frequency	Upper Frequency	Lower Frequency	Upper Frequency

**6) Coverage Requirements - Partitioning**

( ) Option 1 Partitioner and Partitionee each certify that they will be subject to the same coverage requirements for their respective partitioned areas.

( ) Option 2 Partitioner certifies that the 5 year coverage requirements have been or will be met and that the 10 year coverage requirements must be met for the entire license area.

Partitionee certifies that only the substantial service requirement for renewal expectancy for the partitioned area must be met by the end of the 10 year license term.

**7) Coverage Requirements - Disaggregation**

( ) Option 1 Disaggregator and Disaggragatee each certify that the Disaggregator will maintain responsibility for meeting the applicable coverage requirements for the entire license area.

( ) Option 2 Disaggregator and Disaggragatee each certify that the Disaggragatee will maintain responsibility for meeting the applicable coverage requirements for the entire license area.

( ) Option 3 Disaggregator and Disaggragatee each certify that they will share responsibility for meeting the applicable coverage requirements for the entire license area.

### Authorizations To Be Assigned or Transferred

[illegible]

84) Typed or Printed Name of Party Authorized to Sign

First Name:	MI:	Last Name:	Suffix:
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85) Title:

Signature:

86) Date:

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).**

**Race, Ethnicity, Gender of Assignee/Transferee (Optional)**

79) Is the assignee or transferee (1) a member of a minority group and/or female (if an individual), or (2) owned or controlled by members of a minority group or women (if a corporation or other entity)? ( ) Yes No			
80) If the answer to Item 79 is 'Yes', check all that apply:			
Female:	African-American:	Alaskan Native:	Asian:
Hispanic or Latino:	Native American:	Native Hawaiian or Other Pacific Islander:	

**Assignor/Transferor Certification Statements**

1) The Assignor or Transferor certifies either (1) that the authorization will not be assigned or that control of the license will not be transferred until the consent of the Federal Communications Commission has been given, or (2) that prior Commission consent is not required because the transaction is subject to streamlined notification procedures for <i>pro forma</i> assignments and transfers by telecommunications carriers. See <i>Memorandum Opinion and Order</i> , 13 FCC Rcd. 6293 (1998).			
2) The Assignor or Transferor certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.			
81) Typed or Printed Name of Party Authorized to Sign			
First Name:	MI:	Last Name:	Suffix:
82) Title:			
Signature:			83) Date:

**Assignee/Transferee Certification Statements**

1) The Assignee or Transferee certifies either (1) that the authorization will not be assigned or that control of the license will not be transferred until the consent of the Federal Communications Commission has been given, or (2) that prior Commission consent is not required because the transaction is subject to streamlined notification procedures for <i>pro forma</i> assignments and transfers by telecommunications carriers. See <i>Memorandum Opinion and Order</i> , 13 FCC Rcd. 6293 (1998).	
2) The Assignee or Transferee waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application.	
3) The Assignee or Transferee certifies that grant of this application would not cause the Assignee or Transferee to be in violation of any pertinent cross-ownership, attribution, or spectrum cap rule. *If the applicant has sought a waiver of any such rule in connection with this application, it may make this certification subject to the outcome of the waiver request.	
4) The Assignee or Transferee agrees to assume all obligations and abide by all conditions imposed on the Assignor or Transferor under the subject authorization(s), unless the Federal Communications Commission pursuant to a request made herein otherwise allows, except for liability for any act done by, or any right accrued by, or any suit or proceeding had or commenced against the Assignor or Transferor prior to this assignment.	
5) The Assignee or Transferee certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.	
6 The Assignee or Transferee certifies that neither it nor any other party to the application is subject to a denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. See Section 1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification.	
7) The applicant certifies that it either (1) has an updated Form 602 on file with the Commission, (2) is filing an updated Form 602 simultaneously with this application, or (3) is not required to file Form 602 under the Commission's Rules.	

52) P.O. Box:	And /Or	53) Street Address:
54) City:	55) State:	56) Zip:
57) Telephone Number:	58) FAX:	
59) E-Mail Address:		

**Name of Assignee/Transferee Contact Representative (if other than Assignee/Transferee)**

60) First Name:	MI:	Last Name:	Suffix:
61) Company Name:			
62) P.O. Box:	And /Or	63) Street Address:	
64) City:	65) State:	66) Zip:	
67) Telephone Number:	68) FAX:		
69) E-Mail Address:			

**Alien Ownership Questions**

70) Is the Assignee or Transferee a foreign government or the representative of any foreign government?	( ) <u>Yes</u> <u>No</u>
71) Is the Assignee or Transferee an alien or the representative of an alien?	( ) <u>Yes</u> <u>No</u>
72) Is the Assignee or Transferee a corporation organized under the laws of any foreign government?	( ) <u>Yes</u> <u>No</u>
73) Is the Assignee or Transferee a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	( ) <u>Yes</u> <u>No</u>
74) Is the Assignee or Transferee directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? If 'Yes', attach exhibit explaining nature and extent of alien or foreign ownership or control.	( ) <u>Yes</u> <u>No</u>

**Basic Qualification Questions -**

75) Has the Assignee or Transferee or any party to this application had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license, construction permit denied by the Commission? If 'Yes', attach exhibit explaining circumstances.	( ) <u>Yes</u> <u>No</u>
76) Has the Assignee or Transferee or any party to this application, or any party directly or indirectly controlling the Assignee or Transferee, or any party to this application ever been convicted of a felony by any state or federal court? If 'Yes', attach exhibit explaining circumstances.	( ) <u>Yes</u> <u>No</u>
77) Has any court finally adjudged the Assignee or Transferee, or any party directly or indirectly controlling the Assignee or Transferee guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition? If 'Yes', attach exhibit explaining circumstances.	( ) <u>Yes</u> <u>No</u>
78) Is the Assignee or Transferee, or any party directly or indirectly controlling the Assignee or Transferee currently a party in any pending matter referred to in the preceding two items? If 'Yes', attach exhibit explaining circumstances.	( ) <u>Yes</u> <u>No</u>



**Race, Ethnicity, Gender of Assignor/Licensee (Optional)**

22) Is the assignor or licensee (1) a member of a minority group and/or female (if an individual), or (2) owned or controlled by members of a minority group or women (if a corporation or other entity)? ( ) <u>Yes</u> <u>No</u>			
23) If the answer to Item 22 is 'Yes', check all that apply:			
Female:	African-American:	Alaskan Native:	Asian:
Hispanic or Latino:	Native American:	Native Hawaiian or Other Pacific Islander:	

**Transferor Information (for transfers of control only)**

24a) Taxpayer Identification Number:		24b) SGIN	
25) First Name (if individual):	MI:	Last Name:	Suffix:
26) Entity Name (if other than individual):			
27) P.O. Box:	And /Or	28) Street Address:	
29) City:		30) State:	31) Zip:
32) Telephone Number:		33) FAX:	
34) E-Mail Address:			

**Name of Transferor Contact Representative (if other than Transferor) (for transfers of control only)**

35) First Name:	MI:	Last Name:	Suffix:
36) Company Name:			
37) P.O. Box:	And /Or	38) Street Address:	
39) City:		40) State:	41) Zip:
42) Telephone Number:		43) FAX:	
44) E-Mail Address:			

**Assignee/Transferee Information**

45) Assignee is a(n): ( ) <u>Individual Corporation</u> <u>Unincorporated Association Limited Liability Corporation</u> <u>Trust Partnership</u> <u>Government Entity Consortium</u> <u>Joint Venture</u>					
46a) Taxpayer Identification Number:			46b) SGIN		
47) First Name (if individual):	MI:	Last Name:	Suffix:		
48) Entity Name (if other than individual):					
49) Name of Real Party in Interest:			50) TIN		
51) Attention To:					

FCC Wireless Telecommunications Bureau  
Application for Assignments of Authorization  
and Transfers of Control

1) Application Purpose (Select only one) ( )

AA - Assignment of Authorization TC - Transfer of Control	AM - Amendment WD - Withdrawal	NT - Required Notification (for Consummation of Assignment or Transfer) EX - Request for Extension of Time (to Consummate Assignment or Transfer)
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2a) If this request is for an Amendment or Withdrawal, enter the File Number of the pending application currently on file with the FCC.	File Number:
2b) File numbers of related pending applications currently on file with the FCC:	

Type of Transaction

3a) Is this a <i>pro forma</i> assignment of authorization or transfer of control?	( ) Yes No
3b) If the answer to Item 3a is 'yes', is this a notification of a <i>pro forma</i> transaction being filed under the Commission's forbearance procedures for telecommunications licences?	( ) Yes No
4) For assignments of authorization only, is this a partition and/or disaggregation?	( ) Yes No
5) Does this filing request a waiver of the Commission's rules?	( ) Yes No
6) Are attachments being filed with this application?	( ) Yes No
7a) Does the transaction that is the subject of this application also involve transfer or assignment of other wireless licenses held by the assignor/transferor or affiliates of the assignor/transferor (e.g., parents, subsidiaries, or commonly controlled entities) that are not included on this form and for which Commission approval is required?	( ) Yes No
7b) Does the transaction that is the subject of this application also involve transfer or assignment of non-wireless licenses that are not included on this form and for which Commission approval is required?	( ) Yes No

Transaction Information

8) How will the assignment of authorization or transfer of control be accomplished? Select One: ( )
<p><u>Sale</u> or other assignment or transfer of stock      <u>Court Order</u></p> <p><u>Other</u> (voting trust agreement, management contract, etc.): _____</p> <p>If required by applicable rule, attach as an exhibit a statement on how control is to be assigned transferred, along with copies of any pertinent contracts, agreements, instruments, certified copies of Court Orders, etc.</p>
9) The assignment of authorization or transfer of control of license is: ( ) Voluntary Involuntary

Licensee/Assignor Information

10a) Taxpayer Identification Number:		10b) SGIN:	
11) First Name (if individual):	MI:	Last Name:	Suffix:
12) Entity Name (if not an individual):			
13) Attention To:			
14) P.O. Box:	And	15) Street Address:	
16) City:		17) State:	18) Zip:
19) Telephone Number:		20) FAX:	
21) E-Mail Address:			

### •Geographic Area Partitioned

Item 2 If the area to be partitioned is defined according to the FCC rules, enter its description under Item 2. To obtain a list and description of defined areas, refer to the FCC Public Notice for the auction.

Item 3 If the area to be partitioned is undefined, describe its periphery by completing the Undefined Geographic Area Schedule, FCC Form 603, Schedule C. Assign a unique number to each copy of Schedule C that is filed. Enter this number in both the Number field at the top of Schedule C and the Schedule C Attached field of Item 3 on Schedule B.

Item 4 Enter the population of the partitioned area.

### •Spectrum Disaggregated

Item 5 Authorized spectrum blocks can be disaggregated by assigning one or more frequency blocks. To assign a frequency, enter its lower value in MHz in the Lower Frequency field and enter its upper value in MHz in the Upper Frequency field. In this table, complete as many entries as you need to define the disaggregation completely.

### •Coverage Requirements - Partitioning

Item 6 Check the box that indicates which coverage requirements have been agreed upon by the partitioner and partitionee.

### •Coverage Requirements - Disaggregation

Item 7 Check the box that indicates which coverage requirements have been agreed upon by the disaggregator and disaggregatee.

## Instructions for Undefined Geographical Area Partitioning Schedule FCC Form 603, Schedule C

FCC Form 603, Schedule C, is a supplementary schedule for use with the FCC Wireless Telecommunications Bureau Application for Assignments of Authorization and Transfers of Control, FCC Form 603. This schedule must be completed and attached if an undefined area is to be partitioned, as specified by Item 3 on the Partition and Disaggregation Schedule, FCC Form 603, Schedule B. Complete and attach a copy of Schedule C for *each* Call Sign that is being partitioned or disaggregated. If multiple undefined areas are requested, *each* undefined area should have a corresponding Schedule C.

This schedule further defines geographic areas that have not been defined by the FCC. It is used to enter the coordinates of locations that describe the periphery of a geographic area to be partitioned. Specifically, enter up to 120 pairs of latitude/longitude coordinates, one pair for every 3 degrees azimuth around the periphery. Coordinates of the specified locations must be referenced to the North American Datum of 1983 (NAD83).

**Note:** If the area is a defined geographic shape, the applicant can provide fewer than 120 coordinates, in which case the FCC will assume that these coordinate points are joined by straight lines. For example, a rectangle can be described by four coordinates, a hexagon by six coordinates, and so on.

Number At the top of this schedule, enter the same number that has been specified in Item 3 of the Partition and Disaggregation Schedule, FCC Form 603, Schedule B.

Latitude In this column, enter the latitudes of locations using the format *DD-MM-SS.S-D*, where the degrees (*DD*) term can have a value in the range of 0 to 90, minutes (*MM*) can range from 0 to 59, seconds (*SS.S*) can range from 0 to 59.9, and the direction (*D*) term is either N for North or S for South.

Longitude In this column, enter the corresponding longitudes of locations using the format *DDD-MM-SS.S-D*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, seconds (*SS.S*) can range from 0 to 59.9, and the direction (*D*) term is either E for East or W for West.

## **Instructions for Schedule for Assignments of Authorization and Transfers of Control in Auctioned Services, FCC Form 603, Schedule A**

FCC Form 603, Schedule A, is a supplementary schedule for use with the FCC Wireless Telecommunications Bureau Application for Assignments of Authorization and Transfers of Control, FCC Form 603. Complete this schedule when the authorizations to be assigned or transferred are geographically licensed services and have been won in an FCC auction by either the assignor or a previous owner (assignments of authorization) or by the licensee (transfers of control).

### **►Assignee Eligibility for Installment Payments**

Item 1 Refer to the appropriate FCC Auction rules and to the FCC's rules in Title 47 of the Code of Federal Regulations (47 CFR). If the assignee is claiming the same category or a smaller category of eligibility for installment payments, enter 'Y', then answer the additional question about installment payments.

### **►Gross Revenues and Total Assets Information**

Item 2 Refer to the FCC's rules in 47 CFR. If gross revenues and total assets information is required, 47 CFR describes the methods by which this information should be computed.

### **►Certifications**

By signing the main form, FCC Form 603, the assignee certifies that the applicable statements listed in this section are true, complete, correct, and made in good faith.

### **►Licensee Eligibility**

Item 4 Refer to the appropriate FCC Auction rules and to the FCC's rules in Title 47 of the Code of Federal Regulations (47 CFR). If the licensee must, as a result of the transfer of control, now claim a larger or higher category of eligibility for installment payments, enter 'Y' and enter the new category of eligibility.

### **►Certifications**

By signing the main form, FCC Form 603, the transferee certifies that the statement listed in this section is true, complete, correct, and made in good faith.

## **Instructions for Partition and Disaggregation Schedule FCC Form 603, Schedule B**

FCC Form 603, Schedule B, is a supplementary schedule for use with the FCC Wireless Telecommunications Bureau Application for Assignments of Authorization and Transfers of Control, FCC Form 603. Use this schedule to identify the portions of a market that are to be assigned. Make additional copies of this schedule, if necessary. The assigned portions can comprise a portion of the market area or the spectrum authorized within the market, or both.

If the market is to be partitioned, complete Items 2-4 as applicable. If the market is to be disaggregated, complete Item 5. If the market is to be both partitioned and disaggregated, complete all items as applicable.

Item 1 Enter the Call Sign of the station that is to be partitioned or disaggregated (or both).

### •Assignor/Transferor Certification Statements

By signing this form, the assignor/transferor certifies that the statements listed in this section are true, complete, correct, and made in good faith.

Items 81-83 These items must be completed. To be acceptable for filing, applications and amendments must be signed in accordance with Part 1 of the FCC rules. The signor must be a person authorized to sign the application. Paper originals of applications must bear an original signature. On paper originals, neither rubber-stamped nor photocopied signatures are acceptable.

### •Assignee/Transferee Certification Statements

By signing this form, the assignee/transferee certifies that the statements listed in this section are true, complete, correct, and made in good faith.

Items 84-86 These items must be completed. To be acceptable for filing, applications and amendments must be signed in accordance with Part 1 of the FCC rules. The signor must be a person authorized to sign the application. Paper originals of applications must bear an original signature. On paper originals, neither rubber-stamped nor photocopied signatures are acceptable.

### •Authorizations To Be Assigned

If this is an application for full assignment of authorizations, use this section to identify the authorizations to be assigned (complete only Item 87, call signs). Complete at least one entry of this section and use a separate entry for each authorization. If necessary, attach additional copies to list more authorizations.

If this is an application for a partial assignment of authorization in a site-licensed service, use this section to identify the authorizations to be assigned (Complete Items 87-90, as appropriate). Complete at least one entry of this section and use a separate entry for each authorization. If necessary, attach additional copies to list more authorizations.

Item 87 In this column list the Call Signs of the authorizations to be assigned. Call signs are located on FCC Authorizations.

**Note:** Assigning call signs without specifying which specific locations, paths (Microwave Services only), or frequencies are to be assigned for that call sign will result in all locations, paths, and frequencies for that call sign being assigned. Use Item 88 to specify which (if any) specific locations are to be assigned. Use Item 89 to specify which (if any) specific paths (Microwave Services only) are to be assigned. Use Item 90 to specify which (if any) specific frequencies are to be assigned.

Item 88 In this item list the location numbers to be assigned. Location numbers are located on FCC Authorizations.

**Note:** Assigning locations without specifying which specific frequencies are to be assigned for that location will result in all frequencies at that location being assigned. Use Item 90 to specify which (if any) specific frequencies are to be assigned.

Item 89 In this item list the path numbers to be assigned (Microwave Services only). Path numbers are located on FCC Authorizations.

**Note:** Assigning paths without specifying which specific frequencies are to be assigned for that path will result in all frequencies on that path being assigned. Use Item 90 to specify which (if any) specific frequencies are to be assigned.

Item 90 and 91 In this item list the frequencies, in Megahertz (MHz), to be assigned. Enter the center frequency, or the lower frequency of a frequency band, in Item 90. If applicable, enter the upper frequency of a frequency band in Item 91. Frequencies are located on FCC Authorizations.

Item 92 This column indicates whether the facilities listed have been constructed.

#### ►Assignee/Transferee Contact Representative

Items 60-69 These items identify the contact representative for the assignee/transferee, if different from the assignee/transferee. This is usually the headquarters office of a large company, the law firm or other representative of the assignee/transferee, or the person or company that prepared or submitted the application on behalf of the assignee/transferee. If there is a question about the application, an FCC representative will communicate with the assignee's/transferee's contact representative.

If this section is used, a name (Item 60) and telephone number (Item 67) are required at a minimum. If the address items are completed, you may enter a post office box number in Item 62 or a street address in Item 63, or enter information for both items.

#### ►Alien Ownership Questions

These items enable the FCC to determine whether an applicant is eligible under Section 310(a) and (b) of the Communications Act of 1934, as amended, to hold or have ownership interest in a station license. Assignees/transferees are required to answer these questions only if they are filing Form 603 for one of the following purposes indicated in Item 1: Assignment of Authorization or Transfer of Control. Assignees/transferees using Form 603 for any other purpose are not required to answer these questions.

Item 70 All assignees/transferees filing Form 603 for one of the purposes indicated above must answer Item 70. The FCC cannot grant an authorization to a foreign government or the representative of a foreign government. Therefore, if the true and correct answer to Item 70 is 'Yes', the assignee/transferee is not eligible for a license and the FCC will dismiss the application, if filed, without further consideration.

Items 71-74 Only applicants to provide or have ownership interest in common carrier services must answer Items 71-74. The FCC cannot grant an authorization to provide common carrier service to any applicant for which the true and correct answer to any of Items 71, 72, or 73 is 'Yes.' The FCC will dismiss the application, if filed, without further consideration.

If the true and correct answer to Item 74 is 'Yes', the assignee/transferee must attach an exhibit explaining the circumstances. In the exhibit, the assignee/transferee must demonstrate how allowing the assignee/transferee to hold or have ownership interest in the requested license is consistent with the Commission's policies pursuant to Section 310(b)(4) of the Communications Act of 1934. In general, the Commission has indicated that there is a strong presumption that indirect foreign ownership of common carrier radio licensees by entities whose home markets are in countries that are members of the World Trade Organization (WTO) serves the public interest. If more than 25 percent of the ownership of an entity that controls a common carrier radio licensee is attributable to parties whose home markets are in non-WTO member countries, the Commission will evaluate whether those markets offer effective competitive opportunities to U.S. investors in the same service sector. See Rules and Policies on Foreign Participation in the U.S. Telecommunications Market, 1 Docket No. 97-142, Report and Order and Order on Reconsideration, FCC 97-398, 12 FCC Rcd 23,891, ¶¶ 97-118, 131 (1997).

#### ►Basic Qualification Questions

Items 75-78 These items enable the FCC to determine whether an assignee/transferee is eligible under Section 310(a) and (b) of the Communications Act of 1934, as amended, to hold or have ownership interest in a station license. Assignees/transferees are required to answer these questions only if they are filing Form 603 for one of the following purposes indicated in Item 1: Assignment of Authorization or Transfer of Control. Assignees/transferees using Form 603 for any other purpose are not required to answer these questions. If the answer to any one or more of Items 75-78 is "yes," attach as an exhibit a statement explaining the circumstances and a statement giving the reasons why the assignee/transferee believes that grant of the application would be in the public interest notwithstanding the actual or alleged misconduct. If the assignee or transferee responds 'Yes' to any question and has previously provided a statement and explanation regarding the circumstances as an attachment to a prior application filed in US, and the facts and circumstances are unchanged, the applicant may refer to the previous application by identifying the application file number and indicating the disposition of the prior application.

#### ►Optional race/gender Question for Assignee/Transferee

Items 79 and 80 These items request information regarding whether the assignee or transferee is a member of a minority group and/or female (if an individual) or is owned or controlled by members of a minority group or women (if a corporation or other entity). Responses to this item are optional. The information is requested for informational purposes only, to assist the Commission in determining the percentage of wireless licenses that are held or controlled by members of minority groups and women. Responses to this item will in no way affect processing of applications.

## ► Name of Transferor Contact Representative

**Items 35-44** These items identify the contact representative for the transferor, if different from the transferor. This is usually the headquarters office of a large company, the law firm or other representative of the assignee, or the person or company that prepared or submitted the application on behalf of the assignee. If there is a question about the application, an FCC representative will communicate with the assignee's contact representative.

If this section is used, a name (Item 35) and telephone number (Item 42) are required at a minimum. If the address items are completed, you may enter a post office box number in Item 37 or a street address in Item 38, or enter information for both items.

## ► Assignee/Transferee Information

Items 45 through 59 identify the person or entity that is applying to become or control the licensee of the authorizations listed in this application. For an assignment of authorization, the information provided in these items will become the licensee's name, address, and telephone number of record, and the authorization will be sent to this address. The assignee is the party that will become the new licensee if the application is granted. In an application for consent to transfer control of the license, the transferee is the party that will have controlling interest in ownership of the license.

**Item 45** This item indicates the legal entity type of the applicant, whether assignee or transferee. Enter 'I' for Individual, 'U' for Unincorporated Association, 'T' for Trust, 'G' for Government Entity, 'J' for Joint Venture, 'C' for Corporation, 'L' for Limited Liability Corporation, 'P' for Partnership, or 'O' for Consortium.

**Item 46a** Enter the Taxpayer Identification Number of the assignee/transferee. For individuals, enter the Social Security Number. For all other filers, enter the Employer Identification Number. This data is required to comply with the Debt Collection Improvement Act of 1996. This information will not be made available for public inspection.

**Item 46b** This item must be filled out if in addition to providing a TIN, you have obtained a Sub-Group Identification Number (SGIN) from the FCC. A SGIN is required in instances where the applicant or licensee does not have a unique TIN because it is a sub-group or department of the entity identified by the TIN (e.g., a governmental entity or academic institution) and therefore shares the TIN with other subgroups or departments of the same entity. The SGIN allows each sub-group to track the licenses it holds. The SGIN is not needed for entities that have a unique TIN that is not used by any other licensee.

**Items 47-48** Complete either Item 47 or Item 48, depending on whether the licensee/transferee is an individual or company, respectively.

**Item 49** For assignments of authorization only: Assignees must identify a real party (parties) in interest if different from the applicant. If the applicant is also the real party in interest, enter the applicant's name in this item. If a party other than the applicant is the real party in interest (e.g., a parent or other controlling entity), enter that party's name in this item. If there is more than one real party in interest, attach an exhibit detailing all parties in interest.

The Real Party in Interest is defined as a person who "has an ownership interest, or will be in a position to actually or potentially control the operation of the station." *Astroline Communications Company Limited Partner v. FCC*, 857 F.2d 1556, 1564 (D.C. Cir. 1988); *see also* In Re Applications of Georgia Public Telecommunications Commission, et al., MM Docket No. 89-337, 7 FCC Rcd 7996 (rel. Dec. 9, 1992); In Re Applications of Madalina Broadcasting, et al., MM Docket No. 91-100, 8 FCC Rcd 6344 (rel. September 3, 1993).

**Item 50** For assignments of authorization only: Enter the Taxpayer Identification Number for the Real Party in Interest. For individuals, enter the Social Security Number. For all other filers, enter the Employer Identification Number. This information will not be made available for public inspection.

**Items 51-57** Enter the name, address, and telephone number of the person to whom the FCC should send correspondence. You may enter a post office box number in Item 52 or a street address in Item 53, or enter information for both items. Enter the city, state, and zip code in Items 54, 55, and 56, respectively. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations. Enter a telephone number, including area code, in Item 57.

**Items 58 and 59** Enter the assignee/transferee fax number and e-mail address, if desired and available.

Failure to respond to FCC correspondence sent to the address of record may result in dismissal of an application, liability for forfeiture, or revocation of an authorization.

Item 9 This item indicates whether the assignment of authorization or transfer of control is voluntary or involuntary.

► **Licensee/Assignor Information**

Items 10 through 21 identify the person or entity that is applying to assign the authorizations or the licensee in a transfer of control.

Item 10a Enter the Taxpayer Identification Number of the licensee or the assignor. For individuals, enter the Social Security Number. For all other filers, enter the Employer Identification Number. This data is required to comply with the Debt Collection Improvement Act of 1996. This information will not be made available for public inspection.

Item 10b This item must be filled out if in addition to providing a TIN, you have obtained a Sub-Group Identification Number (SGIN) from the FCC. A SGIN is required in instances where the applicant or licensee does not have a unique TIN because it is a sub-group or department of the entity identified by the TIN (e.g., a governmental entity or academic institution) and therefore shares the TIN with other subgroups or departments of the same entity. The SGIN allows each sub-group to track the licenses it holds. The SGIN is not needed for entities that have a unique TIN that is not used by any other licensee.

Items 11-19 Complete either Item 11 or Item 12, depending on whether the licensee/assignor is an individual or company, respectively. You may enter a post office box number in Item 14 or a street address in Item 15, or enter information for both items. Enter the city, state, and zip code in Items 16, 17, and 18, respectively. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations. Enter a telephone number, including area code, in Item 19.

Items 20 and 21 Enter the applicant's fax number and e-mail address, if desired and available.

Failure to respond to FCC correspondence sent to the address of record may result in dismissal of an application, liability for forfeiture, or revocation of an authorization.

► **Optional Race/Gender Question for Assignor/Licensee**

Items 22 and 23 These items request information regarding whether the assignor or licensee is a member of a minority group and/or female (if an individual) or is owned or controlled by members of a minority group or women (if a corporation or other entity). Responses to this item are optional. The information is requested for informational purposes only, to assist the Commission in determining the percentage of wireless licenses that are held or controlled by members of minority groups and women. Responses to this item will in no way affect processing of applications.

► **Transferor Information (for transfers of control only)**

Items 24 through 34 identify the person or entity that is applying for consent to transfer control of the license.

Item 24a Enter the Taxpayer Identification Number of the transferor. For individuals, enter the Social Security Number. For all other filers, enter the Employer Identification Number. This data is required to comply with the Debt Collection Improvement Act of 1996. This information will not be made available for public inspection.

Item 24b This item must be filled out if in addition to providing a TIN, you have obtained a Sub-Group Identification Number (SGIN) from the FCC. A SGIN is required in instances where the applicant or licensee does not have a unique TIN because it is a sub-group or department of the entity identified by the TIN (e.g., a governmental entity or academic institution) and therefore shares the TIN with other subgroups or departments of the same entity. The SGIN allows each sub-group to track the licenses it holds. The SGIN is not needed for entities that have a unique TIN that is not used by any other licensee.

Items 25-32 Complete either Item 25 or Item 26, depending on whether the transferor is an individual or company, respectively. You may enter a post office box number in Item 27 or a street address in Item 28, or enter information for both items. Enter the city, state, and zip code in Items 29, 30, and 31, respectively. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations. Enter a telephone number, including area code, in Item 32.

Items 33 and 34 Enter the applicant's fax number and e-mail address, if desired and available.

Failure to respond to FCC correspondence sent to the address of record may result in dismissal of an application, liability for forfeiture, or revocation of an authorization.



**Item 3b** Enter 'Y' in this item if this is a notification of a pro forma assignment or transfer of a telecommunications license that is subject to the Commission's streamlined forbearance procedures. See Federal Communications Bar Association's Petition for Forbearance from Section 310(d) of the Communications Act Regarding Non-Substantial Assignments of Licenses and Transfers of Control Involving Telecommunications Carriers Licensed by the Wireless Telecommunications Bureau, *Memorandum Opinion and Order*, 13 FCC Rcd. 6293 (1998). This purpose should be selected only where the assignment or transfer is a pro forma transaction that does not require prior Commission consent. Otherwise enter 'N'. This item can be answered only if 'Y' was entered in Item 3a.

**Item 4** For Assignments of Authorization only: Enter 'Y' if this application is for a partition and/or a disaggregation of market based services. Otherwise enter 'N'. Refer to Page 3 of these instructions for detailed information regarding full and partial assignments.

**Item 5** If the filing requests a waiver of the Commission's rules, enter 'Y' and attach an exhibit that lists the rule section(s) of the affected rules and explains the circumstances. Otherwise, enter 'N'.

**Item 6** Enter 'Y' if attachments are being filed with this application. Otherwise, enter 'N'.

**Note:** Section 310(d) of the Communications Act requires the Commission to determine that the public interest, convenience, and necessity would be served by the proposed transfer or assignment. To enable the Commission to make this determination, applicants may in some instances be required to provide by means of an attachment additional information not specifically requested elsewhere on Form 603 to establish the qualifications of the assignee/transferee or to otherwise demonstrate that the proposed transaction is in the public interest. The burden is on the applicant to determine whether such additional information is necessary under Section 310(d) in light of the circumstances of the particular transaction. For example, if: 1) the application involves a non-pro forma assignment or transfer of a license in a subscriber-based service, and 2) the proposed assignee or transferee, its parent or any affiliate, directly or indirectly owns, controls, or holds an attributable interest in any other entity authorized to provide FCC-regulated subscriber-based services in a geographic area that overlaps the service area of a license that is the subject of the proposed assignment or transfer, the applicant should generally file an attachment with its Form 603 setting forth the factual circumstances and describing how the proposed transaction meets the public interest standard of Section 310(d). Applicants seeking further guidance on this issue are encouraged to contact the Wireless Telecommunications Bureau in advance of filing Form 603.

**Item 7a** This item requests applicants to indicate whether the proposed transaction involves the assignment or transfer of other wireless licenses not listed on the applicant's Form 603 that are held by the assignor/transferee or by affiliates of the assignor/transferee. For this purpose, "affiliates" is defined in 47 CFR § 1.2110(a)(4), and includes parents, subsidiaries, or commonly controlled entities. Where a transaction involves transfer or assignment of multiple licenses held by a common licensee, a single Form 603 should be filed whenever possible. Where a transaction involves transfer or assignment of licenses by affiliated licensees, a separate Form 603 must be filed for each affiliate, and each applicant must enter "Y" because the transaction that is the subject of its Form 603 application also involves transfer or assignment of wireless licenses held by affiliated licensees. Enter "N" if all of the licenses to be transferred or assigned as a result of the proposed transaction are listed on the applicant's Form 603. Affiliated applicants who seek to assign or transfer licenses as part of a common transaction are strongly encouraged to contact the Wireless Telecommunications Bureau in advance of filing Form 603.

**Item 7b** This item requests applicants to indicate whether the proposed transaction will result in the assignment or transfer of non-wireless as well as wireless licenses. For this purpose, "wireless" licenses are licenses in services that are covered by Form 603, and "non-wireless" licenses are licenses in any other FCC-regulated service (e.g., broadcast) for which a form other than Form 603 is used to request Commission approval of the assignment or transfer. Enter "Y" if the transaction that is the subject of the Form 603 application also involves transfer or assignment of non-wireless licenses for which Commission approval is required (regardless of whether the applicant has filed the relevant form(s) with respect to such non-wireless licenses). Enter "N" if all of the licenses to be transferred or assigned as a result of the proposed transaction are wireless licenses listed on Form 603. Applicants who seek to assign or transfer both wireless and non-wireless licenses are strongly encouraged to contact the Wireless Telecommunications Bureau in advance of filing Form 603.

#### ► Transaction Information

**Item 8** This item indicates how the assignment of authorization or transfer of control is to be accomplished. If the facilities are to be sold, or the stock of the licensee or the entity controlling the licensee is to be assigned or transferred to another entity, answer this item S. If the assignment of authorization or transfer of control is to be accomplished by court order, answer this item C. If O is indicated, the assignor or transferor must attach an exhibit that explains how the transfer is to be accomplished.

## **For Assistance**

For assistance with this application, contact the Federal Communications Commission, 1270 Fairfield Road, Gettysburg, PA 17325-7245, call 1-888-CALL-FCC (225-5322).

## **Electronic Filers**

For technical assistance with filing electronically, contact the Wireless Telecommunications Bureau Technical Support line, (202) 414-1250.

# **Instructions for FCC 603 Main Form**

## **►Application Purpose**

**Item 1** Indicate the purpose for which the application is being filed by inserting the appropriate two-letter abbreviation from the following list. Only one purpose may be specified.

**AA - Assignment of Authorization:** To request an assignment of authorization. This purpose should only be used for initial applications.

**TC - Transfer of Control:** To request a transfer of control. This purpose should only be used for initial applications.

**AM - Amendment:** To amend a previously-filed, currently pending application. Use Item 2a to provide the File Number of the application. All appropriate schedules must be completed and attached, and must accurately reflect the amendment's data. See applicable Commission rules.

**WD - Withdrawal:** To withdraw a previously-filed, currently pending application. Use Item 2a to provide the File Number of the application. In addition to the purpose and File Number, only the Assignor/Transferor Certification area of this form (Items 81-83) must be completed.

**NT - Required Notifications:** To notify the FCC that, within the required time period an assignment of authorization or transfer of control has been consummated, file Application for Assignments of Authorization and Transfers of Control, FCC Form 603, and attach Schedule for Notification of Consummation of Assignment of Authorization or Transfer of Control, FCC Form 603, Schedule D.

**EX - Request for Extension of Time:** To request additional time to consummate an assignment of authorization or transfer of control, file Application for Assignments of Authorization and Transfers of Control, FCC Form 603, and attach Schedule for Request for Extension of Time for Assignments of Authorization or Transfers of Control, FCC Form 603, Schedule E.

**Item 2a** If the filing is an amendment or withdrawal of a previously-filed application, provide the File Number of the original application. This information can be obtained by contacting the FCC at 1-888-CALLFCC (225-5322).

**Item 2b** Enter file numbers of related pending applications currently on file with the FCC.

## **►Type of Transaction Information**

**Item 3a** Enter 'Y' in this item if the application is for *pro forma* assignment of authorization or transfer of control. Also complete Item 3b. Otherwise enter 'N'.

A *pro forma* assignment of authorization is one for which the actual controlling party does not change. For example, if an authorization is assigned by one wholly-owned subsidiary of a parent corporation to another wholly-owned subsidiary of the same corporation, this would be a *pro forma* assignment of authorization.

A *pro forma* transfer of control is one for which the actual controlling party does not change. For example, a corporate restructuring that changes the chain of ownership to the controlling corporation may give rise to a *pro forma* transfer of control of a licensee.

### **Information Current and Complete**

Information filed with the FCC must be kept current and complete. The applicant must notify the FCC regarding any substantial and significant changes in the information furnished in the application(s). See Section 1.65 of the Commission's rules.

### **Applicable Rules and Regulations**

Applicants should obtain the relevant parts of the FCC's rules in 47 CFR. Copies of 47 CFR may be purchased from the Superintendent of Documents; Government Printing Office; Washington, DC 20402; (202) 512-1800. Refer also to the Government Printing Office's Website at <http://www.access.gpo.gov>. Some FCC rules require applicants to attach one or more exhibits to an application in addition to the information requested in the application form.

### **Processing Fee and Filing Locations**

A processing fee may be required with this form. To determine the required fee amount, refer to Subpart G of Part 1 of the Code of Federal Regulations (47 CFR Part 1, Subpart G) and the current Wireless Telecommunications Bureau Fee Filing Guide. For assistance with fees applicable to the radio services governed by the FCC's rules, call (202) 418-0220 or 1-888-CALL-FCC (225-5322). The Fee Filing Guide can be downloaded from the FCC's Internet site @ <http://www.fcc.gov/fees/wtbguide.html> or obtained by calling the FCC's Forms Distribution Center at (800) 418-3676.

Paper applications requiring a fee must be submitted to the appropriate P. O. Box address in Pittsburgh, PA designated for the radio service in which you are filing your application. Consult the current Wireless Telecommunications Bureau Fee Filing Guide or call 1-888-CALL-FCC (225-5322) for the specific mailing address.

Non-feeable paper applications should be mailed to Federal Communications Commission, 1270 Fairfield Road, Gettysburg, PA 17325-7245. (If this application is filed as a result of an auction, please specify the Auction Number as indicated in your bidder's package.)

### **Packages**

The Main Form and the applicable schedules should be submitted as one package, stapled in the upper left corner. The Main Form should be first with the schedules attached in alphabetical order.

### **Paper Copies**

The number of paper copies of this application required to be filed is one original. Applicants filing electronically should follow procedures contained in online help files.

### **Exhibits**

Each document required to be filed as an exhibit should be current as of the date of filing. Each page of every exhibit must be identified with the number or letter of the exhibit, the number of the page of the exhibit, and the total number of pages of the exhibit. If material is to be incorporated by reference, see the instruction on incorporation by reference.

### **Incorporation by Reference**

You may incorporate by reference documents, exhibits, or other lengthy showings already on file with the FCC only if: the information previously filed is more than one 8½" by 11" page in length, and all information therein is current and accurate in all significant respects; the reference states specifically where the previously filed information can be found (i.e., station call sign and application file number, title of proceeding, docket number and legal citations), including exhibit and page references. Use the relevant item number followed by "A". Items that call for numbers, or which can be answered "Y" or "N" or other short answers must be answered directly without reference to a previous filing.

For assignment of one or more authorizations, the assignor must apply for approval using this form, FCC Form 603. In the case of an involuntary assignment of authorization, the assignor must apply no later than 30 days after the event causing the assignment. Note that this form must be signed by both the assignor and assignee. In addition, the assignee must file FCC Wireless Telecommunications Bureau Ownership Form, FCC Form 602, unless current and up-to-date ownership information is already on file at the FCC.

The assignor may apply for authorization to assign either all of the facilities of a station or market or just a portion of these facilities or markets.

#### ► Full Assignment of Authorization

When the authorization for all of the facilities of a station or market is assigned, this is called a *full assignment of authorization*. To apply for a full assignment, the assignor must complete the Authorizations To Be Assigned section.

#### ► Partial Assignment of Authorization

When authorization for some, but not all, of the facilities of a station or market is assigned, this is called a *partial assignment of authorization*. For each partial assignment of authorization, the assignee must apply for authorization to operate the facilities for which authority is being assigned, either as a new station or as a modification to an existing station already authorized to the assignee. Note the following:

If the assignment is a request to partition or disaggregate (or both) a market area in an auctionable service, also complete and attach the FCC Assignment Schedule for Auctionable Services, FCC Form 603 Schedule A; the Partition and Disaggregation Schedule, FCC Form 603, Schedule B; and, if required, the Undefined Geographic Area Schedule, FCC Form 603, Schedule C.

If the assignment is a request for a partial assignment in a site licensed service, also complete and attach the Authorizations to be Assigned or Transferred portion of FCC Form 603, using the appropriate fields to fully describe the partial assignment.

#### ► Transfer of Control

A Transfer of Control must be requested from the FCC when the transfer of controlling interest in the ownership of a licensee entity to another party or parties occurs. A Transfer of Control involves a transfer of controlling interest in ownership but generally does not involve the changing of the Licensee name. Refer to the applicable FCC Rules for definitions of controlling interest and ownership.

To apply for transfer of control, the licensee must use this form, FCC Form 603. The licensee must also complete and attach an FCC Wireless Telecommunications Bureau Ownership Form, FCC Form 602, with exhibits describing how the ownership structure would be changed by the transfer of control

#### ► Sixty-Day Period

Assignments of authorization and transfers of control must be consummated within 60 days of FCC approval, unless the FCC grants an extension of time to complete a specific transaction. To request that the FCC grant an extension of time to complete the transaction, file Application for Assignments of Authorization and Transfers of Control, FCC Form 603, and attach Schedule for Request for Extension of Time for Assignments of Authorization or Transfers of Control, FCC Form 603, Schedule E.

If an assignment of authorization or transfer of control is not consummated within 60 days, or within the time allowed under an extension, FCC approval of that transaction is no longer valid.

#### ► Notification of Consummation

Upon consummation of any assignment of authorization, the assignee must notify the FCC of the date of consummation. Upon consummation of any transfer of control, the transferee must notify the FCC of the date of consummation. To notify the FCC that the transaction has been consummated, file Application for Assignments of Authorization and Transfers of Control, FCC Form 603, and attach Schedule for Notification of Consummation of Assignment of Authorization or Transfer of Control, FCC Form 603, Schedule D.

## General Instructions

### **Purpose of Form**

Form FCC 603 is a multi-purpose form. It is used to apply for approval of assignment or transfer of control of licenses in the Wireless Radio Services. The data collected on the form is used by the FCC to determine whether the public interest would be served by approval of the requested assignment or transfer. This form is also used to notify the Commission of consummated assignments and transfers of wireless licenses that have previously been consented to by the Commission or for which notification but not prior consent is required. The services that use this form include Public Mobile Services, Personal Communications Services, General Wireless Communications Services, Private Land Mobile Radio Services, Broadcast Auxiliary Services, Fixed Microwave Services, Maritime Services (excluding ships), and Aviation Services (excluding aircraft).

### **Introduction**

Form FCC 603 is a multi-part form consisting of a main form and several optional schedules. Each application, amendment, or other request must contain only one Main Form (pages 1, 2, and 3) but may contain as few or as many of the optional schedules as necessary.

### **Main Form**

The purpose of the Main Form is to obtain information sufficient to identify the parties to the proposed assignment or transfer, establish the parties' basic eligibility and qualifications, classify the filing, and determine the nature of the proposed service. The Main Form also contains the required certifications and signature blocks for both the assignor/transferor and the assignee/transferee. The Main Form is required for every application, amendment, and modification filed on Form FCC 603.

### **Schedules**

The purposes of the optional schedules are as follows:

**Schedule A (Schedule for Assignments of Authorization and Transfers of Control in Auctioned Services)** This schedule is used when a license to be assigned or transferred was originally awarded following an FCC auction, and the original

licensee or prior assignee obtained installment payments, bidding credits, or was otherwise subject to special provisions applicable to entrepreneurs, small businesses, or rural telephone companies. For assignments of authorization, this schedule establishes whether the assignee is eligible for the same special provisions as the assignor, or whether unjust enrichment provisions or other restrictions apply. For transfers of control, this schedule establishes whether the transfer, if approved, will affect the eligibility of the licensee for special provisions associated with the license prior to the transfer.

**Schedule B (Partition and Disaggregation Schedule)** This schedule is used for assignment applications in geographically licensed services that involve partitioning of the licensing area or disaggregation of the licensee's spectrum holdings. An applicant seeking to assign a partitioned area using FCC-defined geographic boundaries (i.e., FCC licensing area boundaries or county boundaries) or to assign a disaggregated portion of its licensed spectrum must use this schedule to identify the geographic area or spectrum (or both) that is the subject of the proposed transaction.

**Schedule C (Undefined Geographical Area Partitioning Schedule)** This schedule is used for partitioning applications in geographically licensed where the partitioned area is defined based on licensee-generated coordinates rather FCC-defined boundaries. It is used to enter the coordinates of locations that describe the periphery of a geographic area to be partitioned.

**Schedule D (Notification of Consummation of Assignment of Authorization or Transfer of Control)** This schedule is used to notify the FCC that an assignment of authorization or transfer of control has been consummated.

**Schedule E (Request for Extension of Time for Consummation of Assignment of Authorization or Transfer of Control)** This schedule is used to request additional time to consummate an assignment of authorization or transfer of control that will not be consummated in the time previously allotted by the Commission.

### **Who Must File FCC Form 603 and When**

#### **►Assignment of Authorization**

An Assignment of an Authorization must be requested from the FCC when a license is assigned to another party. An Assignment of Authorization involves a complete transfer of controlling interest in ownership in the license and generally involves the changing of the Licensee name. Refer to the applicable FCC Rules for definitions of controlling interest and ownership.

**Information and Instructions****FCC Wireless Telecommunications Bureau  
Application for Assignments of Authorization  
and Transfers of Control****NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT OF 1974 AND  
THE PAPERWORK REDUCTION ACT OF 1995**

We have estimated that each response to this collection of information will take on average 4 hours. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, AMD-PERF, Washington, DC 20554, Paperwork Reduction Project (3060-0800). We will also accept your comments via the Internet if you send them to [jboley@fcc.gov](mailto:jboley@fcc.gov). *Please do not send completed application forms to this address.*

You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection unless it displays a currently valid OMB control number with this notice. This collection has been assigned OMB control number 3060-0800.

The FCC is authorized under the Communications Act of 1934, as amended, to collect the personal information we request in this form. We will use the information you provide to determine whether approving this application is in the public interest. If we believe there may be a violation or potential violation of a statute, FCC regulation, rule or order, your application may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing or implementing the statute, rule, regulation or order. In certain cases, the information in your application may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government, is a party to a proceeding before the body or has an interest in the proceeding.

If you owe a past due debt to the Federal government, the Taxpayer Identification Number (*i.e.*, your Employer Identification Number or Social Security Number) and other information you provide may also be disclosed to the Department of Treasury Financial Management Service, other federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide this information to these agencies through the matching of computer records when authorized.

In addition, all information provided in this form, except Taxpayer Identification Number, will be available for public inspection. If you do not provide the information we request on the form, the FCC may delay processing of your application or may return your application without action.

This notice is required by the Privacy Act of 1974, Public Law 93-579, December 31, 1974, 5 U.S.C. Section 552a(e)(3) and the Paperwork Reduction Act of 1995, Public Law 104-13, October 1, 1995, 44 U.S.C. 3507.



**FCC Ownership Disclosure Information for the  
Wireless Telecommunications Services  
Schedule for Disclosable Interest Holders**

Approved by OMB  
3060 -0799  
See instructions for  
public burden estimate

**Disclosable Interest Holder Information** (complete as many as required to describe all disclosable interest holders)

1) Disclosable Interest Holder's First Name (if individual):	MI:	Last Name:	Suffix:
2) Disclosable Interest Holder's Name (if entity):		3) Disclosable Interest Holder's TIN:	
4) Disclosable Interest Holder's Address:			
5) Type of Interest in Applicant ( ) (refer to Instructions for list)	6) Disclosable Interest Holder is a(n): ( ) (refer to instructions for list of codes):		7) Percent of Interest Held in Applicant:
8) Disclosable Interest Holder's Type of Ownership (refer to instructions for list):		9) Disclosable Interest Holder's Country of Citizenship:	
10) Relationship Description (if the disclosable interest holder is an indirect owner, list path of ownership from indirect owner to the applicant):			

**Related FCC Regulated Businesses of Disclosable Interest Holders** (repeat for each interest holder identified)

11a) Name and address of all FCC Regulated Businesses owned by Disclosable Interest Holder listed in #3 (use additional sheets, if necessary):	11b) Principal Business:	11c) TIN:	11d) Percent of Interest Held:

**Applicant/Licensee Information**

1) First Name (if individual):	MI:	Last Name:	Suffix:
2) Applicant Name (if entity):			3) Applicant TIN:

**Related FCC Regulated Businesses of Applicant/Licensee**

4a) Name and address of all FCC Regulated Businesses owned by Applicant/Licensee (use additional sheets, if necessary):	4b) Principal Business:	4c) TIN:	4d) Percent of Interest Held:

**Signature**

5) Typed or Printed Name of Party Authorized to Sign

First Name:	MI:	Last Name:	Suffix:
Title:			
Signature:			Date:

Failure To Sign This Application May Result In Dismissal Of The Application And Forfeiture Of Any Fees Paid

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).



**Item 10** If the interest holder holds an indirect ownership interest in the applicant, list the entities in the ownership path in ascending order.

Example: In the example given in the "Main Form" section above, John and Jane Doe would list Company B, through which they hold their interest in the applicant, Company A. Richard Mega would first list Company B and then Mega Corporation, through which it holds its interest in Company B. Jane Smith would not be required to respond to this item because she holds a direct ownership interest in Company A.

**•Related FCC-Regulated Businesses of Disclosable Interest Holders (repeat for each interest holder identified)**

**Item 11** For each officer, director, attributable stockholder, or key management personnel of the applicant identified in Items 1 or 2 of the FCC 602 Main Form, list any FCC-regulated business 10 percent or more of whose stock, warrants, options, or debt securities are owned by such person or entity. In Item 11(a) identify the name and address and, in 11(b), the principal nature of the FCC-regulated business. In Item 11(c), identify the Taxpayer Identification Number for the FCC regulated-business listed in Item 11(a). For individuals, enter the Social Security Number. For all other entities, enter the Employer Identification Number. This data is required to comply with the Debt Collection Improvement Act of 1996. This information will not be made available for public inspection. In Item 11(d), identify the percentage interest held in the FCC-regulated business by the person or entity identified in Item 1 or 2 of FCC 602 Schedule A.

(5) In the case of a limited partnership, each limited partner whose direct or indirect interest in the applicant is equal to or greater than 10 percent (as calculated according to the percentage or equity paid in and the percentage of distribution of profits and losses).

(6) In the case of a limited liability corporation, each member of the corporation, regardless of percentage interest in the applicant.

For each disclosable interest holder, the following information must be provided:

**Items 1 and 2** This Item identifies the interest holder. If the interest holder is an individual, enter the name of the individual in Item 1. If the interest holder is an entity, enter the name of the entity in Item 2.

**Item 3** Taxpayer Identification Number of the interest holder listed in Item 1 or 2. For individuals, enter the Social Security Number. For all other filers, enter the Employer Identification Number. This data is required to comply with the Debt Collection Improvement Act of 1996. This information will not be made available for public inspection.

**Item 4** Address of the interest holder. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Item 5** Type of interest in applicant. Indicate, using the 1 letter code, which of the following categories describes the interest holder's interest in the applicant. If more than one category applies, indicate each applicable category:

- D - Direct ownership interest in applicant
- I - Indirect ownership interest in applicant
- O - Officer
- R - Director
- K - Key management personnel
- M - Management contract
- O - Other

**Item 6** Type of entity. Indicate, using the 1 letter code, which of the following categories describes the interest holder:

- I - Individual
- C - Corporation
- G - General Partnership
- L - Limited Partnership
- M - Limited Liability Corporation
- U - Unincorporated Association
- O - Other

**Item 7** Percentage interest in applicant. Where the interest holder holds an ownership interest in the applicant, whether direct or indirect, identify the ownership percentage. Indirect interests may be calculated using a multiplier only in compliance with Section 1.2112(a)(9) of the Commission's rules.

**Item 8** Type of ownership interest. Where the interest holder holds an ownership interest in the applicant, whether direct or indirect, identify, using the 1 letter code, the type of ownership interest. Also indicate whether the interest is voting or non-voting. If more than one category applies, indicate each applicable category:

- C - Common stock
- P - Preferred stock
- S - Other stock
- W - Warrant
- T - Option
- R - Proprietorship
- G - General Partnership shares
- L - Limited Partnership shares
- O - Other

Example: In the example given in the "Main Form" section above, each of the persons in the chain of ownership of Company A would list "common stock" as their ownership type.

**Item 9** Identify the interest holder's country of citizenship.

► **Applicant/Licensee Information**

Items 1 and 2 This Item identifies the applicant/licensee. If the applicant/licensee is an individual, enter the name of the individual in Item 1. If the applicant/licensee is an entity, enter the name of the entity in Item 2.

Item 3 Enter the applicant/licensee Taxpayer Identification Number. For individuals, enter the Social Security Number. For all other filers, enter the Employer Identification Number. This data is required to comply with the Debt Collection Improvement Act of 1996. This information will not be made available for public inspection.

► **Related FCC-Regulated Businesses of Applicant/Licensee**

Item 4 For the applicant/licensee, list any FCC-regulated business 10 percent or more of whose stock, warrants, options, or debt securities are owned by such person or entity. In Item 4(a) identify the name and address and, in 4(b), the principal nature of the FCC-regulated business. In Item 4(c), identify the Taxpayer Identification Number for the FCC regulated-business listed in Item 4(a). For individuals, enter the Social Security Number. For all other entities, enter the Employer Identification Number. This data is required to comply with the Debt Collection Improvement Act of 1996. This information will not be made available for public inspection. In Item 4(d), identify the percentage interest held in the FCC-regulated business by the applicant/licensee.

► **Signature**

Item 5 These items must be completed. To be acceptable for filing, applications and amendments must be signed in accordance with Part 1 of the FCC rules. The signor must be a person authorized to sign the application. Paper originals of applications must bear an original signature. On paper originals, neither rubber-stamped nor photocopied signatures are acceptable

## **Instructions for FCC 602 Schedule A**

► **Disclosable Interest Holders in Applicant/Licensee (repeat for each interest holder identified)**

These items provide required information about each disclosable interest holder in the applicant. If the applicant has multiple disclosable interest holders, FCC 602 Schedule A must be filled out separately for each disclosable interest holder.

Disclosable interests in the applicant are defined at Section 1.2110 and 1.2112 of the Commission's rules. The following interest holders must be identified in items 3-11:

(1) Any party holding a 10 percent or greater interest in the applicant, whether direct or indirect. An indirect ownership interest in the applicant is established where successive multiplication of ownership percentages for each link in the vertical ownership chain equals 10 percent or more of the applicant, except that if the ownership percentage for an interest in any link in the chain exceeds 50 percent or represents actual control, it shall be treated and reported as if it were a 100 percent interest.

(2) Any party holding 10 percent or more of any class of stock, warrants, options, or debt securities of the applicant.

(3) Any party with a controlling interest in the applicant as set forth in section 1.2110 of the Commission's rules. The individual or entity with a controlling interest is an "affiliate." An affiliate is defined by Section 1.2110(4)(I) of the Commission's rules, which provides that an individual or entity is an affiliate of an applicant or of a person holding an attributable interest in an applicant if such individual or entity –

(A) directly or indirectly controls or has the power to control the applicant, or

(B) is directly or indirectly controlled by the applicant, or

(C) is directly or indirectly controlled by a third party or parties that also controls or has the power to control the applicant, or

(D) has an "identity of interest" with the applicant.

Section 1.2110(4)(ii) states that every business concern is considered to have one or more parties who directly or indirectly control or have the power to control it. Control may be affirmative or negative and it is immaterial whether it is exercised so long as the power to control exists.

(4) In the case of a general partnership, each general partner, regardless of percentage interest in the applicant.

### **Paper Copies**

The number of paper copies of this application required to be filed is one original. Applicants filing electronically should follow procedures contained in online help files.

### **Exhibits**

Each document required to be filed as an exhibit should be current as of the date of filing. Each page of every exhibit must be identified with the number or letter of the exhibit, the number of the page of the exhibit, and the total number of pages of the exhibit. If material is to be incorporated by reference, see the instruction on incorporation by reference.

### **Incorporation by Reference**

You may incorporate by reference documents, exhibits, or other lengthy showings already on file with the FCC only if: the information previously filed is more than one 8½" by 11" page in length, and all information therein is current and accurate in all significant respects; the reference states specifically where the previously filed information can be found (*i.e.*, station call sign and application file number, title of proceeding, docket number and legal citations), including exhibit and page references. Use the relevant item number followed by 'A'. Items that call for numbers, or which can be answered 'Y' or 'N' or other short answers must be answered directly without reference to a previous filing.

### **For Assistance**

For assistance with this application, contact the Federal Communications Commission, 1270 Fairfield Road, Gettysburg, PA 17325-7245, or call 1-888-CALL-FCC (225-5322).

### **Electronic Filers**

For technical assistance with filing electronically, contact the Wireless Telecommunications Bureau Technical Support line, (202) 414-1250.

## **Instructions for FCC 602 Main Form**

The purpose of Form FCC 602 is to obtain the identity of the applicant and to elicit information required by Section 1.2112 of the Commission's rules regarding: 1) persons or entities holding a 10% or greater direct or indirect ownership interest in the applicant; 2) all affiliates of the applicant pursuant to Section 1.2110; 3) all general partners in any general partnership in the applicant's chain of ownership, and; 4) all the members of any limited liability corporation in applicant's chain of ownership. A "direct owner" is a person holding an immediate interest in the applicant. An "indirect owner" of the applicant is any other interest holder in the applicant who holds a 10% or greater interest as defined in Section 1.2112(a)(9) through an intervening entity or entities in an ownership chain.

For each direct and indirect owner, the applicant must provide the information required by Item 4 of the main form. Filers will be required to provide information for each direct and indirect owner, using multiple copies of Form 602 as needed.

*Example:* Company A's stock is owned by two persons: Jane Smith owns 40% of the outstanding stock and Company B owns 60% of the outstanding stock. Each of these persons is a direct owner and Item 4 would be separately filled out for each. Company B is in turn owned by John and Jane Doe, 50%, and by Mega Corporation, 50%. John and Jane Doe and Mega Corporation are indirect owners of the applicant. Item 4 would be separately filled out for these three persons as well. Mega Corporation is in turn owned by Richard Mega, who holds 90% of the outstanding stock, and Peter Smith, who holds 10% of the outstanding stock. Because Mega indirectly owns more than 10% of Company A, information regarding Mega must be provided in response to Item 4. However, because Smith's indirect ownership share of Company A is less than 10%, the applicant is not required to provide information regarding Smith.

## **General Instructions**

### **Purpose of form**

The purpose of this form is to collect ownership data pertaining to the applicant for the proposed authorization. This data is used by the FCC to determine whether the public interest would be served by a grant of the requested authorization.

### **Who Must File FCC Form 602 and When**

This form is required to be filed by applicants who have acquired their license by participation in an auction or who are applying for a license in a service which is subject to part 1, subpart Q of the Commission's Rules, or by common carrier licensees whether or not the service was originally subject to auction, under the following circumstances:

Applicants for a new license or authorization who do not have a current FCC Form 602 on file with the FCC.

Applicants filing to renew an existing license if there is no current FCC Form 602 on file with the FCC.

Applicants for a transfer of control of a license or assignment of an authorization who do not have a current FCC Form 602 on file with the FCC.

Applicants who are going to participate in an FCC auction and do not have a current FCC Form 602 on file.

### **Information Current and Complete**

Information filed with the FCC must be kept current and complete. The applicant must notify the FCC regarding any substantial and significant changes in the information furnished in the application(s). See Section 1.65 of the Commission's rules. Persons filing this form will provide information on the main form regarding each person or entity that has a direct or indirect interest in the applicant or licensee that must be disclosed pursuant to the Commission's Rules.

### **Applicable Rules and Regulations**

Applicants should obtain the relevant parts of the FCC's rules in 47 CFR. Copies of 47 CFR may be purchased from the Superintendent of Documents; Government Printing Office; Washington, DC 20402; (202) 512-1800. Refer also to the Government Printing Office's Website at <http://www.access.gpo.gov>. Some FCC rules require applicants to attach one or more exhibits to an application in addition to the information requested in the application form.

### **Processing Fee and Filing Locations**

This form, if filed by itself, should be mailed to Federal Communications Commission, 1270 Fairfield Road, Gettysburg, PA 17325-7245. (If this application is filed as a result of an auction, please specify the Auction Number as indicated in your bidder's package.)

### **Packages**

The Main Form responses for an applicant should be submitted as one package, stapled in the upper left corner. The Main Form response should be first, followed with all completed copies of Schedule A, attached in ascending order of ownership level.

**Information and Instructions**

**FCC Ownership Disclosure Information for the Wireless Telecommunications Services**

**NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT OF 1974 AND  
THE PAPERWORK REDUCTION ACT OF 1995**

We have estimated that each response to this collection of information will take on average 2 hours. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, AMD-PERF, Washington, DC 20554, Paperwork Reduction Project (3060-00799). We will also accept your comments via the Internet if you send them to [jboley@fcc.gov](mailto:jboley@fcc.gov). *Please do not send completed application forms to this address.*

You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection unless it displays a currently valid OMB control number with this notice. This collection has been assigned OMB control number 3060-0799.

The FCC is authorized under the Communications Act of 1934, as amended, to collect the personal information we request in this form. We will use the information you provide to determine whether approving this application is in the public interest. If we believe there may be a violation or potential violation of a statute, FCC regulation, rule or order, your application may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing or implementing the statute, rule, regulation or order. In certain cases, the information in your application may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government, is a party to a proceeding before the body or has an interest in the proceeding.

If you owe a past due debt to the Federal government, the Taxpayer Identification Number (i.e., your Employer Identification Number or Social Security Number) and other information you provide may also be disclosed to the Department of Treasury Financial Management Service, other federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide this information to these agencies through the matching of computer records when authorized.

In addition, all information provided in this form, except Taxpayer Identification Number, will be available for public inspection. If you do not provide the information we request on the form, the FCC may delay processing of your application or may return your application without action.

This notice is required by the Privacy Act of 1974, Public Law 93-579, December 31, 1974, 5 U.S.C. Section 552a(e)(3) and the Paperwork Reduction Act of 1995, Public Law 104-13, October 1, 1995, 44 U.S.C. 3507.



**Schedule for  
Extension of Time Requests for Wireless Services**

**Purpose**

The purpose of this submission: ( ) (Enter one purpose only - 1, 2, 3, 4, or S. See Sections 1 & 2 below and refer to instructions)

**1) Buildout/Coverage Requirements (Market based services only)**

<b>1</b>	Extension of Time to meet 1st buildout/coverage requirements. (List call signs in 3a)
<b>2</b>	Extension of Time to meet 2nd buildout/coverage requirements. (List call signs in 3a)
<b>3</b>	Extension of Time to meet 3rd buildout/coverage requirements. (List call signs in 3a)
<b>4</b>	Extension of Time to meet 4th buildout/coverage requirements. (List call signs in 3a)
New buildout/coverage expiration date requested:	
Attach exhibit describing circumstances/justification.	

**2) Construction Requirements (Site-licensed services only)**

<b>S</b>	Extension of Time to meet construction requirements (site, frequency, etc.). (List, as applicable, call signs, locations, frequencies, etc., in Section 3)
New construction expiration date requested:	
Attach exhibit describing circumstances/justification.	

**3) Call Signs/Locations/Frequencies**

3a) Call Sign	3b) Location Number	3c) Path Number (Microwave only)	3d) Center or Lower Frequency (MHz)	3e) Upper Frequency (MHz)

### ►Section 3 - Call Signs/Locations/Frequencies

This section applies only to an extension to complete buildout/coverage and construction requirements, as indicated by use of Sections 1 or 2 of this schedule.

To request an extension of time to meet buildout/coverage requirements, only complete Item 3a.

To request an extension of time to meet construction requirements, complete Items 3a through 3e, as required. Only complete those items necessary to describe the extension of time requested. For example, to request an extension of time to construct a site under a call sign, only complete Items 3a and 3b.

**3a** In this item list the call signs where an extension of time to meet buildout/coverage or construction requirements has been requested in Sections 1 or 2. Call signs are located on FCC Authorizations.

**3b** In this item list the location numbers or transmitter numbers where an extension of time to meet construction requirements has been requested. Location numbers are listed on FCC Authorizations and are used in the following radio services: Aviation Ground, Maritime Coast, Cellular, Land Mobile, and Paging Services.

**3c** In this item list the path numbers where an extension of time to meet construction requirements has been requested. Path numbers are located on FCC Authorizations and are only used in the Microwave Radio Services.

**3d and 3e** In this item list the frequencies, in Megahertz (MHz), where an extension of time to meet construction requirements has been requested. Enter the center frequency, or the lower frequency of a frequency band, in Item 3d. If applicable, enter the upper frequency of a frequency band in Item 3e. Authorized frequencies are located on FCC Authorizations.



Information and Instructions

## Schedule for Extension of Time Requests for Wireless Services

Form FCC 601, Schedule L, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. Complete this schedule to request additional time to satisfy buildout/coverage or construction requirements. The FCC 601 Main Form must be filed in conjunction with this schedule.

### ►Purpose

Enter the one-letter abbreviation that indicates the purpose for which the application is being filed (1, 2, 3, 4, or S), as specified in Sections 1 and 2 of this schedule.

**Note:** Only one Extension of Time Request purpose code may be selected per FCC 601 Main Form/Schedule L filing.

### ►Section 1 - Buildout/Coverage Requirements (Market based services only)

**Note:** Cellular Radiotelephone Services (CL) should use the Construction Requirements portion of this schedule (Section 2).

Use this section if this is a request for an extension of time to complete buildout/coverage requirements. Typically, buildout/coverage requirements apply when a specific portion of a geographic area and a specific portion of the population contained within that geographic area must be provided service by a specific date. Not all radio services use all buildout/coverage requirements. Refer to the Commission's rules for more information on buildout/coverage requirements and how they may apply to your service.

On the Purpose line at the top of this schedule, enter one of the following Extension Request Purpose Codes:

Enter '1' if an extension is being requested for 1st buildout/coverage requirements.

Enter '2' if an extension is being requested for 2nd buildout/coverage requirements.

Enter '3' if an extension is being requested for 3rd buildout/coverage requirements.

Enter '4' if an extension is being requested for 4th buildout/coverage requirements.

Also complete Section 3. List in Item 3a the call signs for which the extension of time to meet buildout/coverage requirements is being requested. Additionally, in the field provided at the bottom of this section, enter the new buildout/coverage expiration date being requested. You must also attach an exhibit describing the circumstances and justification for this extension request.

### ►Section 2 - Construction Requirements (Site-licensed services only)

**Note:** Cellular Radiotelephone Services (CL) should use the Construction Requirements portion of this schedule (Section 2).

Use this section if this is a request for an extension of time to complete construction requirements. Typically, construction requirements apply when specific authorized components of a license must be constructed and service commenced by a specific date. Refer to the Commission's rules for more information on construction requirements and how they may apply to your service.

On the Purpose line at the top of this schedule, enter 'S' to request an extension to meet construction requirements for a site licensed service (*i.e.*, location, frequency, etc.). An extension of time may be requested for specific portions of a system. Also complete Section 3, Call Signs, as applicable, indicating the call signs, location numbers, frequencies, etc., for which an extension of time to meet construction requirements is being requested. Additionally, in the field provided at the bottom of this section, enter the new construction expiration date requested. You must also attach an exhibit describing the circumstances and justification for this extension of time request.

**Schedule for  
Required Notifications for Wireless Services**

**Purpose**

The purpose of this submission: ( ) (Enter one purpose only - 1, 2, 3, 4, S, D, or G. See Sections 1, 2, 3, & 4 below and refer to instructions)

**1) Satisfaction of Buildout/Coverage Requirements (Market based services only)**

- 1 1st buildout/coverage requirements for the referenced system have been met. (List call signs in 5a)  
2 2nd buildout/coverage requirements for the referenced system have been met. (List call signs in 5a)  
3 3rd buildout/coverage requirements for the referenced system have been met. (List call signs in 5a)  
4 4th buildout/coverage requirements for the referenced system have been met. (List call signs in 5a)

**2) Satisfaction of Construction Requirements (Site-licensed services only)**

S Construction requirements for the referenced system have been met. (List, as applicable, call signs, locations, frequencies, etc., in Section 5)

**3) Request for Regular Authorization for Facilities Operating under Developmental Authority (Paging services only)**

D Notification to request regular authorization for facilities previously operating under developmental authority. (List call signs in 5a)

**4) Extended Implementation (Slow Growth) (Land Mobile services only)**

G Notification of compliance with yearly station construction commitments for licensees with approved extended implementation plans.

**5) Call Signs/Locations/Frequencies**

5a) Call Sign	5b) Location Number	5c) Path Number (Microwave only)	5d) Center or Lower Frequency (MHz)	5e) Upper Frequency (MHz)	5f) Number of Operational Mobiles (see instructions)

► **Section 2 - Satisfaction of Construction Requirements (Site-licensed services only)**

**Note:** Cellular Radiotelephone Services (CL) should use the Construction Requirements portion of this schedule (Section 2).

Use this section if this notification is for satisfaction of construction requirements. Typically, construction requirements apply when specific authorized components of a license must be constructed and service commenced by a specific date. Refer to the Commission's rules for more information on construction requirements and how they may apply to your service.

On the Purpose line at the top of this schedule, enter S. Also complete Section 5, as applicable. List the call signs, location numbers, frequencies, etc., where construction requirements have been satisfied.

► **Section 3 - Request for Regular Authorization for Facilities Previously Operating under Developmental Authority (Paging Services only)**

Use this section if this is a notification to request regular authorization for paging facilities previously operating under developmental authority. On the Purpose line at the top of this schedule, enter 'D'.

Also complete Section 5. List in Item 5a the call signs held by the applicant where a request is being made for a regular authorization for paging facilities previously operating under developmental authority.

► **Section 4 - Extended Implementation (Slow Growth) (Land Mobile services only).**

Use this section if this is a notification of compliance with yearly station construction commitments for licensees with approved extended implementation plans. Refer to 47 CFR §§ 90.629 and 90.155 for more information on Extended Implementation. On the Purpose line at the top of this schedule, enter 'G'.

Also complete Section 5. List in Item 5a the call signs held by the applicant where such notifications are being made.

► **Section 5 - Call Signs/Locations/Frequencies**

For notification of buildout/coverage requirements (Section 1), only complete Item 5a.

For notification of construction requirements (Section 2), complete Items 5a through 5f, as required. Only complete those items necessary to describe what has been constructed. For example, to notify of construction of a site under a call sign, only complete Items 5a and 5b.

For notification of a request for regular paging authorization for facilities previously operating under developmental authority (Section 3), only complete Item 5a.

For notification of compliance with yearly station construction commitments for licensees with approved extended implementation plans (Section 4), only complete Item 5a.

**5a** In this item, list the call signs where buildout/coverage or construction requirements indicated in Sections 1 or 2 have been satisfied, where a regular paging authorization for facilities previously operating under developmental authority is being requested in Section 3, or where notification of a request for regular paging authorization for facilities previously operating under developmental authority is being indicated in Section 4. Call signs are located on FCC Authorizations.

**5b** In this item list the location numbers where construction requirements have been satisfied. Location numbers are listed on FCC Authorizations and are used in the following radio services: Aviation Ground, Maritime Coast, Cellular, Land Mobile, and Paging Services.

**5c** In this item list the path numbers where construction requirements have been satisfied. Path numbers are located on FCC Authorizations and are only used in the Microwave Radio Services.

**5d and 5e** In this item list the frequencies, in Megahertz (MHz), where construction requirements have been satisfied. Enter the center frequency, or the lower frequency of a frequency band, in Item 5d. If applicable, enter the upper frequency of a frequency band in Item 5e. Authorized frequencies are located on FCC Authorizations.

**5f** In this item list number of operational mobiles. Land Mobile Radio Services operating in the 470 - 512 MHz band and non-SMR conventional systems operating above 800 MHz only.

Information and Instructions

## Schedule for Required Notifications for Wireless Services

Form FCC 601, Schedule K, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. The FCC 601 Main Form must be filed in conjunction with this schedule. Complete this schedule to notify the FCC that, within the required time period:

Either buildout/coverage or construction requirements have been satisfied;

Compliance with yearly station construction commitments for licensees with approved extended implementation plans has been met;

To request a regular authorization for paging facilities currently operating under developmental authority.

### •Purpose

Enter the one-letter abbreviation that indicates the purpose for which the application is being filed (1, 2, 3, 4, S, D, or G), as specified in Sections 1, 2, 3, and 4 of this schedule.

**Note:** Only one Notification purpose code may be selected per FCC 601 Main Form/Schedule K filing.

### •Section 1 - Satisfaction of Buildout/Coverage Requirements (Market based services only)

**Note:** Cellular Radiotelephone Services (CL) should use the Construction Requirements portion of this schedule (Section 2).

Use this section if this notification is for satisfaction of buildout/coverage requirements. Typically, buildout/coverage requirements apply when a specific portion of a geographic area and a specific portion of the population contained within that geographic area must be provided service by a specific date. Not all radio services use all buildout/coverage requirements. Refer to the Commission's rules for more information on buildout/coverage requirements and how they may apply to your service.

On the Purpose line at the top of this schedule, enter one of the following Notification Purpose Codes:

Enter '1' if 1st buildout/coverage requirement has been satisfied.

Enter '2' if 2nd buildout/coverage requirement has been satisfied.

Enter '3' if 3rd buildout/coverage requirement has been satisfied.

Enter '4' if 4th buildout/coverage requirement has been satisfied.

**Note:** Licensees must notify the FCC of satisfaction of buildout/coverage requirements when they are met. In instances where notification of buildout/coverage requirements are received for a call sign and previous buildout/coverage requirements have not been received by the FCC, it will be assumed that the higher requirement and all lower requirements have been satisfied (e.g., requirement 2 is submitted and requirement 1 has not been received - it will be assumed that buildout/coverage requirement 1 and buildout/coverage requirement 2 have been satisfied).

Also complete Section 5. List in Item 5a the call signs held by the applicant where the indicated buildout/coverage requirement has been satisfied.

### Points of Communication for Transmitters

[illegible]

# Radial Data for Antennas

					0°	45°	90°	135°	180°	225°	270°	315°
21) Action A/M/D	22) Location Number	23) Antenna Number	24) Frequency (MHz)	25) RCHAAT (meters)								
				26) ERP (watts)								

					0°	45°	90°	135°	180°	225°	270°	315°
21) Action A/M/D	22) Location Number	23) Antenna Number	24) Frequency (MHz)	25) RCHAAT (meters)								
				26) ERP (watts)								

					0°	45°	90°	135°	180°	225°	270°	315°
21) Action A/M/D	22) Location Number	23) Antenna Number	24) Frequency (MHz)	25) RCHAAT (meters)								
				26) ERP (watts)								

					0°	45°	90°	135°	180°	225°	270°	315°
21) Action A/M/D	22) Location Number	23) Antenna Number	24) Frequency (MHz)	25) RCHAAT (meters)								
				26) ERP (watts)								

					0°	45°	90°	135°	180°	225°	270°	315°
21) Action A/M/D	22) Location Number	23) Antenna Number	24) Frequency (MHz)	25) RCHAAT (meters)								
				26) ERP (watts)								

Technical Data Schedule for the  
Paging, Rural, Air-ground (General Aviation), and  
Offshore Radiotelephone Services (Part 22)

Approved by OMB  
3060 - 0798  
See 601 Main Form Instructions  
for public burden estimate

Control Points

1) Action A/M/D	2) Control Point Number	3) Location Street Address, City or Town, County, State	4) Telephone Number

Antenna Information

5) Action A/M/D	6) Location Number	7) Antenna Number	8) Height to Tip AGL (meters)	9) Height of Center of Radiation AAT (meters)	10) Beamwidth of Main Lobe (degrees)	11) Gain (dB)	12) Azimuth (degrees)

Frequency Information

13) Action A/M/D	14) Location Number	15) Antenna Number	16) Channel Center Frequency (MHz)	17) Station Class	18) Maximum Transmitting ERP (watts)	19) Transmitter Output Power (watts)	20) Nonstandard Emission Designator

Item 25 Enter the height of the antenna center of radiation above the average terrain elevation (RCHAAT) along each of the eight cardinal radials. Enter this item in meters, rounded to the nearest tenth.

Item 26 Enter the effective radiated power (ERP) for each of the eight cardinal radials. See the Commission's rules for your radio service for instructions on calculating RCHAAT.

#### •Points of Communication for Transmitters

These items describe fixed points of communication for: (1) stations in the Rural Radiotelephone Services serving individually licensed subscribers; (2) point to point transmitters; and (3) point-to-multipoint transmitters operating on channels that are assigned only to stations that communicate with four or more points. These items should not be completed by filers for any other purpose. In the Rural Radiotelephone Services (radio service code CR) only those stations operating under station class code FXCT (fixed control station) may complete this section.

This section must be completed only when points of communication are to be added, modified, or deleted. If you are adding new points of communication, complete all items for each point of communication to be added. If you are modifying existing points of communication, complete all items for the point of communication to be modified. If you are deleting points of communication, only Items 27 through 30 are required. Points of communication that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

Item 27 This item indicates the action the filer wants the FCC to take on the specified point of communication. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

Item 28 Enter the corresponding transmit location number, as entered in Item 14 of this schedule.

Item 29 Enter the corresponding transmitting antenna number, as entered in Item 15 of this schedule.

Item 30 Enter the corresponding transmitting channel center frequency, as entered in Item 16 of this schedule.

Item 31 Enter the name of the city or town of the point of communication.

Item 32 Enter the state of the point of communication. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

Item 33 Enter in Megahertz (MHz), the center frequencies of the point of communication.

Items 34 and 35 Enter the geographic coordinates of the location, referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5 minute topographical quadrangle map of the area, or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

**Note:** Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (*i.e.*, NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://www.fcc.gov/wtb/uls/nadcon.html>.

Enter the latitude using the format *DD-MM-SS*, where the degrees (*DD*) term can have a value in the range of 0 to 90, minutes (*MM*) can range from 0 to 59, and seconds (*SS*) can range from 0 to 59.9. If desired, seconds may be expressed to the nearest tenth of a second (in which case, use the format *DD-MM-SS.S*). In the lower right corner, specify the direction as either N for North or S for South.

Enter the longitude using the format *DDD-MM-SS*, where the degrees (*DDD*) term can have a value in the range of 0 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS*) can range from 0 to 59.9. If desired, seconds may be expressed to the nearest tenth of a second (in which case, use the format *DDD-MM-SS.S*). In the lower right corner, specify the direction as either E for East or W for West.

Item 36 Enter the subscriber call sign of the point of communication.



F1	A2	BBBBB.BBBB
F2	A1	CCCCC.CCCC
F2	A1	DDDDD.DDDD

**Item 13** This item indicates the action the filer wants the FCC to take on the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 14** For each antenna, enter its corresponding location number, as entered in Item 6 of the Antenna Information Section of this Schedule.

**Item 15** For each antenna, enter its corresponding antenna number, as entered in Item 7 of the Antenna Information Section of this Schedule.

**Note:** Each location number (Item 14) and antenna number (Item 15) pair specified in the Frequency Information Section must have corresponding data in the Antenna Information Section.

**Item 16** Enter, in Megahertz (MHz), the center frequencies of the channels on which the transmitters operate or are proposed to operate.

**Item 17** Enter the appropriate station class code from the following table. Definitions for most of these items are listed in the Commission's rules.

Air-ground Signaling	FBSI
Auxiliary Test	FXTS
Base	FBBS
Central Office	FXCO
Control	FXCT
Dispatch	FXDI
Fixed Relay	FXXR
Fixed Subscriber	FXSB
Ground	FBGS
Inter-Office	FXIO
Mobile Subscriber	MLSB
Repeater	FXRP
Standby	FBST
Temporary Fixed	FX5

**Item 18** This item reports the maximum effective radiated power (ERP) in any direction on the specified channel. The answer must be stated in watts.

**Item 19** Enter the actual transmitter output power in watts.

**Item 20** Complete this item only if the filing requests authority to use an emission type that is not already authorized in the FCC rules for use by all stations in the pertinent radio service.

#### •Radial Data for Antennas

This section must be completed only when radial data for antennas is to be added, modified, or deleted. If you are adding new radial data, complete all items for each radial data block to be added. If you are modifying existing radial data, complete all items for the radial data block to be modified. If you are deleting radial data, only Items 21 through 24 are required. Radial data that is currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 21** Indicate the action the filer wants the FCC on the radial data of the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Items 22-24** Enter the location number, antenna number, and channel center frequency, as specified in the Antenna Information and Frequency Information Sections.

**Note:** Each location number, antenna number, and channel center frequency specified in the Radial Data for Antennas Section must have corresponding data in the Antenna Information and Frequency Information Sections.

## ►Antenna Information

This section must be completed only when antenna information is to be added, modified, or deleted. If you are adding a new antenna, complete all items for each antenna to be added. If you are modifying an existing antenna, in addition to Items 5, 6, and 7, complete only the items that have changed for the antenna. If you are deleting an antenna, only Items 5, 6, and 7 are required. Antennas that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 5** This item indicates the action the filer wants the FCC to take on the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 6** For each antenna, enter its corresponding location number, as entered on Schedule D Item 2 or Schedule E Item 2. If the location has been previously licensed under this call sign by the FCC, enter the FCC-assigned location number (located on the Authorization). Otherwise, enter the code assigned on Schedule D or Schedule E to represent the location. Refer to the instructions for Schedules D and E for more information on assigning location numbers.

**Item 7** If the antenna has been previously licensed under this call sign by the FCC, enter the antenna's FCC-assigned number (located on the Authorization). Otherwise, enter a temporary code to represent each antenna. The assigned code should begin with an A to indicate it is an antenna and end with a number to uniquely identify it (e.g., A1, A2, A3). A single location can have multiple antennas. Antenna numbers need only be unique within each location. The FCC will assign an official number to the new antenna, which will appear on the Authorization.

**Note:** Location number (Item 6) and antenna number (Item 7) are used to associate information in the Antenna Information Section with information in the following sections: Frequency Information, Radial Data for Antennas, and Points of Communication for Transmitters. To do this, enter the necessary technical information into the Antenna Information Section using the appropriate location number and antenna number. Then, enter the necessary technical information in each of the related sections for that antenna, using the same location number/antenna number pair. Each antenna specified in the Frequency Information, Radial Data for Antennas, and Points of Communication for Transmitters Sections must have corresponding data in the Antenna Information Section.

**Item 8** Enter the actual height above ground level to the tip of the antenna. Enter this item in meters, rounded to the nearest tenth.

**Item 9** Enter the average radiation center height above average terrain (AAT) of the eight cardinal radials. Enter this item in meters, rounded to the nearest tenth. See the rules for your radio service for instructions on calculating AAT.

**Item 10** Enter the beamwidth of the main lobe of a directional antenna used with a fixed station. Complete this item for fixed stations only. Enter 360 for an omni-directional antenna.

**Item 11** Enter the ratio (decibels) of the power required at the input of loss-free reference antenna to the power supplied to the input of the given antenna to produce, in a given direction, the same field strength or the same power-flux density at the same distance. This information should be available from the specification sheet included with the antenna at the time of purchase.

**Item 12** Enter the angle in the horizontal plane of the transmitting antenna main lobe measured clockwise with respect to True North in degrees, or enter 360 to indicate that the transmitting antenna is omni-directional.

## ►Frequency Information

This section must be completed only when frequencies are to be added, modified, or deleted. If you are adding a new frequency, complete all items for each frequency to be added. If you are modifying attributes of an existing frequency, in addition to Items 13 and 14, complete only the items that have changed for the frequency. If you are deleting a frequency, only Items 13 through 17 are required. Frequencies that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

Enter frequency information for each antenna specified in the Antenna Information Section. For multiple frequency lines, repeat the location number/antenna number combination for each frequency. For example:

<u>Location</u>	<u>Antenna</u>	<u>Frequency (MHz)</u>
F1	A1	XXX.XXXX
F1	A1	YYY.YYYY
F1	A1	ZZZ.ZZZZ
F1	A2	AAA.AAAA

Information and Instructions

**Technical Data Schedule for the Paging, Rural,  
Air-ground (General Aviation), and  
Offshore Radiotelephone Services (Part 22)**

Form FCC 601, Schedule J, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. This schedule is used to apply for an authorization to operate a radio station in the Paging, Rural, Air-ground (General Aviation), and Offshore Radiotelephone Services, as defined in 47 CFR, Part 22. It is also used to amend a pending application or modify an existing license in these services. Additionally, this schedule is used by auction winners that must file site-specific technical data for international coordination or for an environmental assessment of a particular site. The FCC 601 Main Form must be filed in conjunction with this schedule. The FCC 601 Main Form must be filed in conjunction with this schedule.

If you are applying for authorization of fixed transmit station locations and antenna structures, you must file technical information for each location and/or structure using FCC 601, Schedule D, Schedule for Fixed Station Locations and Antenna Structures. It is recommended that you complete Schedule D (if required) prior to completing Schedule J.

If you are applying for authorization of mobile transmit locations or temporary fixed station locations, you must file technical information for each location or station using FCC 601, Schedule E, Schedule for Mobile, Temporary Fixed, and 6.1 Meter Control Station Locations. It is recommended that you complete Schedule E (if required) prior to completing this schedule. When filed in conjunction with Schedule J, Schedule E only applies to Rural Radio (CR), Offshore (CO), and BETRS (CB) radio services.

**Schedule J  
Instructions**

**►Control Points**

This section must be completed only when a control point is to be added, modified, or deleted. If you are adding a new control point, complete all items in this section for each control point to be added. If you are modifying an existing control point, in addition to Items 1 and 2, complete only the items that have changed for the control point. If you are deleting a control point, only Items 1 and 2 are required. Control points that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

**Item 1** This item indicates the action the filer wants the FCC to take on the specified control point. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

**Item 2** If the control point has been previously licensed under this call sign to the applicant by the FCC, enter its FCC-assigned control point number (located on the Authorization). For a new control point, assign a temporary code to represent the control point. The assigned code should begin with C to indicate it is a control point and end with a number to uniquely identify it (e.g., C1, C2, C3, etc.). The FCC will assign an official number to the new control point, which will appear on the Authorization.

**Item 3** Enter the street address, city or town, county, and state of the control point. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area abbreviations.

**Item 4** Enter the telephone number, including area code, where a person responsible for operation of the station or systems can be reached.